S 684 5-1

PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF
LEVELS, TRENDS AND
TURNOVER RATES

OCTOBER 1979
Vol. XXIV No. 10

JOB SERVICE

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF LABOR AND INDUSTRY BUREAU OF EMPLOYMENT SECURITY

- EXPLANATORY -

INDUSTRY EMPLOYMENT

Employment data, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives."

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

LABOR TURNOVER RATES

Labor Turnover rates for manufacturing industries are computed by dividing totals of each turnover item by the total employment in all establishments. These rates are multiplied by 100, rounded to one decimal place, and published as rates of turnover per 100 employees.

This report is prepared by the Research and Statistics Division.
Refer queries, in writing to:
PENNSYLVANIA BUREAU OF EMPLOYMENT SECURITY
COOPERATING REPRESENTATIVE
U.S. BUREAU OF LABOR STATISTICS
LABOR AND INDUSTRY BUILDING-ROOM 1202
HARRISBURG, PENNSYLVANIA 17121
or telephone: 717 - 787-3129

Issued: October 1979

Reference: Mid-September

PENNSYLVANIA EMPLOYMENT & EARNINGS

SEPTEMBER 1979

Total unemployment in Pennsylvania, both seasonally adjusted and unadjusted, was down in September.

Adjusted for seasonal influences, the rate of unemployment fell to 7.1 percent of the civilian labor force in September from 7.3 percent in August. Unemployed workers numbered 376,000 in September, down 9,000. Last September seasonally adjusted unemployment was 392,000 and the rate was 7.4 percent.

The September unadjusted rate dropped to 6.7 percent from an August rate of 7.0 percent. The jobless volume, at 357,000, declined by 16,000 over the month. A year ago, unemployment was estimated at 372,000, with a rate of 7.1 percent.

Nationwide, the September seasonally adjusted rate was 5.8 percent, down 0.2 of a point from August. The unadjusted rate was 5.6 percent, an over-the-month drop of 0.3 percent.

FACTORY JOB COUNTS RISE DUE TO STRIKE SETTLEMENTS

Except for employes returning from strike in the machinery industries, factory employment posted no gain whatsoever during September. Job counts were nearly the same as the pre-strike level in July. Durables were affected only by the machinery industries return and except for this would have shown a considerable downturn for this time of year, especially in view of the fact that the bellwether PRIMARY METALS industry cut back 2,100 jobs over the month.

Nondurables lost 1,400 jobs during September. Only three industry groups, FOOD, APPAREL and RUBBER, posted job gains but these were more than offset by the slippage in the remaining industries. APPAREL has remained in a trough since the July vacation dip and has contributed heavily to the losses incurred by nondurable industries.

Manufacturing jobs are within two hundred of the year ago total - durables up and nondurables down in almost exactly offsetting numbers.

For the second consecutive month, factory separations have exceeded accessions. At 3.4 percent, accessions reached the highest point of the year. Separations, however, also peaked with 4.1 percent. This would seem to indicate 'movement' rather than 'improvement' in the manufacturing job picture. The quit rate increased 1.1 percent, a surprising development considering the recent static nature of factory hiring. New hires moved up by 0.3 percent. Recalls and layoffs were down.

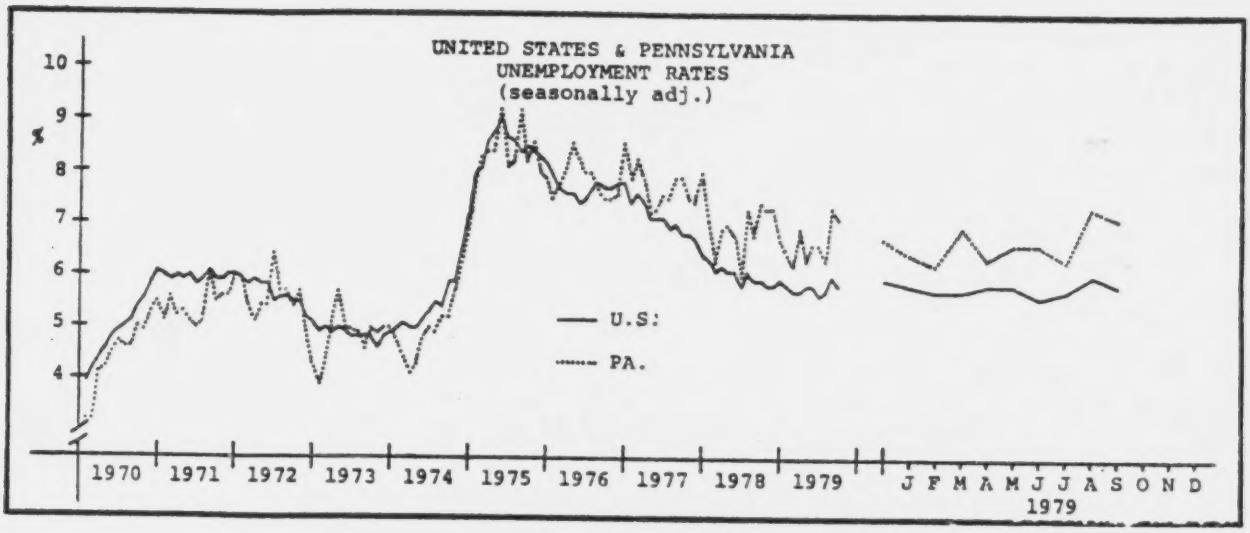
Average hourly earnings in Pennsylvania's factories increased seven cents in September while the workweek edged upward twelve minutes. Significant earnings gains were posted in ELECTRICAL MACHINERY, INSTRUMENTS and PETROLEUM. Manhours in general increased. Only LUMBER and FURNITURE showed a falling off in work time. Increases among other industries averages six minutes to a half an hour.

NONMANUFACTURING JOBS DIP

In nonmanufacturing industries, SERVICES, TRANSPORTATION and RETAIL TRADE displayed noteworthy increases during September. SERVICES, up 8,300, reflected the seasonal upturn in EDUCATIONAL SERVICE. TRANSPORTATION and RETAIL TRADE, moving up 5,700 and 4,100 respectively, likewise exhibited seasonal tendencies. CONSTRUCTION fell off 1,300 and WHOLESALE TRADE, 2,700 - both typical September movements. Government jobs were down nearly 16,000. An estimated 3,000 persons involved in labor-management disputes in local school districts were reflected in this drop.

Nonmanufacturing jobs slipped 17,300 below September a year ago, with GOVERNMENT the chief offender - down 25,700. RETAIL TRADE dropped 16,200 and CONSTRUCTION, 11,800.

SERVICES showed the healthiest over-the-year gain, with more than 26,000 on the plus side. FINANCE followed, with an estimated 9,100 additional jobs.



EMPLOYMENT DATA IN THIS PUBLICATION HAVE BEEN REVISED TO FIRST QUARTER 1978 BENCHMARKS, AND ARE THEREFORE, NOT STRICTLY COMPARABLE WITH FIGURES PUBLISHED PRIOR TO JANUARY 1977. DATA ARE BASED ON INDUSTRY CLASSIFICATION IN ACCORDANCE WITH THE REVISED 1972 STANDARD INDUSTRIAL CLASSIFICATION MANUAL.

On all tables data for most recent month are preliminary and subject to revision.

ADDITIONAL NOTATION ON PAGE 13

Table 1. Resident Employment, Unemployment and Unemployed Rate
(Thousands)

	PENNSYLVANIA					UNITED STATES				
Year	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %
1961	4,508.0	4,080.9	427.1	9.5		70,459.0	65,746.0	4,714.0	6.7	
1962	4,474.2	4,110.5	363.7	8.1		70,614.0	66,702.0	3,911.0	5.5	
1963	4,422.9	4,090.0	332.9	7.5		71,833.0	67,762.0	4,070.0	5.7	
1964	4,430.9	4,155.2	275.7	6.2		73,091.0	69,305.0	3,786.0	5.2	
1965	4,469.3	4,263.4	205.9	4.6		74,455.0	71,088.0	3,366.0	4.5	
1966	4,558.3	4,395.0	163.3	3.6		75,770.0	72,895.0	2,875.0	3.8	
1967	4,637.0	4,467.0	170.0	3.7		77,347.0	74,372.0	2,975.0	3.8	
1968	4,634.0	4,475.0	159.0	3.4		78,737.0	75,920.0	2,817.0	3.6	
1969	4,720.0	4,566.0	154.0	3.3		80,734.0	77,902.0	2,832.0	3.5	
1970	4,833.0	4,618.0	215.0	4.4		82,715.0	78,627.0	4,088.0	4.9	
1971	4,803.0	4,543.0	260.0	5.4		84,113.0	79,120.0	4,993.0	5.9	
1972	4,875.0	4,609.0	265.0	5.4		86,542.0	81,702.0	4,840.0	5.6	
1973	4,988.0	4,747.0	241.0	4.8		88,714.0	84,409.0	4,304.0	4.9	
1974	5,036.0	4,778.0	258.0	5.1		91,011.0	85,935.0	5,076.0	5.6	
1975	5,069.0	4,647.0	421.0	8.3		92,613.0	84,783.0	7,830.0	8.5	
1976	5,094.0	4,690.0	404.0	7.9		94,773.0	87,485.0	7,288.0	7.7	
1977	5,168.0	4,770.0	398.0	7.7		97,401.0	90,546.0	6,855.0	7.0	
1978	5,252.0	4,888.0	364.0	6.9		100,420.0	94,373.0	6,047.0	6.0	
1978 Sep.	5,257.0	4,885.0	372.0	7.1	7.4	100,838.0	95,041.0	5,797.0	5.7	5.9
Oct.	5,325.0	4,955.0	369.0	6.9	7.3	101,555.0	96,095.0	5,460.0	5.4	5.8
Nov.	5,332.0	4,980.0	352.0	6.6	7.3	101,659.0	96,029.0	5,629.0	5.5	5.8
Dec.	5,347.0	5,026.0	320.0	6.0	6.7	101,632.0	95,906.0	5,725.0	5.6	5.9
1979 Jan.	5,276.0	4,900.0	376.0	7.1	6.4	100,367.0	94,436.0	6,431.0	6.4	5.8
Feb.	5,240.0	4,845.0	394.0	7.5	6.2	101,249.0	94,765.0	6,484.0	6.4	5.7
Mar.	5,277.0	4,865.0	412.0	7.8	6.9	101,665.0	95,501.0	6,165.0	6.1	5.7
Apr.	5,186.0	4,866.0	320.0	6.2	6.3	101,236.0	95,675.0	5,561.0	5.5	5.8
May	5,217.0	4,922.0	294.0	5.6	6.6	101,473.0	96,220.0	5,253.0	5.2	5.8
Jun.	5,343.0	4,959.0	384.0	7.2	6.6	104,153.0	97,917.0	6,235.0	6.0	5.6
Jul.	5,398.0	5,058.0	340.0	6.3	6.3	104,395.0	98,891.0	6,104.0	5.8	5.7
Aug.	5,350.0	4,977.0	373.0	7.0	7.3	104,363.0	98,226.0	6,137.0	5.9	6.0
Sep.	5,301.0	4,944.0	357.0	6.7	7.1	103,373.0	97,576.0	5,798.0	5.6	5.8

TABLE 2. TOTAL CIVILIAN LABOR FORCE, UNEMPLOYMENT AND EMPLOYMENT IN PENNSYLVANIA

RESIDENT DATA	Total – All Persons (In thousands)			Net Change From–	
	Sept. 1979	Aug. 1979	Sept. 1978	Aug. 1979	Sept. 1978
TOTAL CIVILIAN LABOR FORCE	5,301.0	5,350.0	5,257.0	-49.0	44.0
TOTAL UNEMPLOYMENT (UNADJUSTED)	357.0	373.0	372.0	-16.0	-15.0
% CIVILIAN LABOR FORCE	6.7	7.0	7.1	-0.3	-0.4
TOTAL UNEMPLOYMENT (SEASONALLY ADJUSTED)	376.0	385.0	392.0	-9.0	-16.0
% CIVILIAN LABOR FORCE	7.1	7.3	7.4	-0.2	-0.3
TOTAL EMPLOYMENT	4,944.0	4,977.0	4,885.0	-33.0	59.0

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

ESTABLISHMENT DATA	Total – All Jobs (Thousands)			Net Change From–	
	Sept. 1979	Aug. 1979	Sept. 1978	Aug. 1979	Sept. 1978
TOTAL NONAG. WAGE & SALARY EMPLOYMENT #	4,698.7	4,708.7	4,716.8	-10.0	-18.1
LABOR-MANAGEMENT DISPUTES	7.2	20.6	8.2	-13.4	-1.0
ALL MANUFACTURING INDUSTRIES	1,375.9	1,367.8	1,375.7	8.1	0.2
TOTAL NONMANUFACTURING INDUSTRIES	3,315.6	3,320.3	3,332.9	-4.7	-17.3
Mining	52.5	51.9	54.1	0.6	-1.6
Anthracite	3.0	3.0	3.1	0.0	-0.1
Bituminous	40.2	39.6	42.6	0.6	-2.4
Nonmetallic minerals	5.1	5.2	4.8	-0.1	0.3
Contract Construction	204.5	205.8	216.3	-1.3	-11.8
General building	54.4	54.8	58.1	-0.4	-3.7
Heavy construction	47.7	48.2	45.7	-0.5	2.0
Special trades	102.4	102.8	112.5	-0.4	-10.1
Transportation	167.5	161.8	166.2	5.7	1.3
Railroads	44.3	44.3	45.0	0.0	-0.7
Public Utilities	103.5	104.6	101.2	-1.1	2.3
Communications	53.9	54.2	53.0	-0.3	0.9
Electric, gas & sanitary service	49.6	50.4	48.2	-0.8	1.4
Electric systems	23.6	23.8	22.8	-0.2	0.8
Gas production	11.4	11.6	11.2	-0.2	0.2
Wholesale trade	226.0	228.8	226.9	-2.8	-0.9
Retail trade	730.9	726.8	747.1	4.1	-16.2
General merchandise stores	122.6	120.5	133.0	2.1	-10.4
Department stores	108.6	106.3	116.8	2.3	-8.2
Finance, insurance & real estate	237.1	239.6	228.0	-2.5	9.1
Banking	78.0	78.8	75.1	-0.8	2.9
Commercial & stock savings	72.0	72.7	69.4	-0.7	2.6
Credit agencies & securities	30.4	30.8	29.2	-0.4	1.2
Insurance	69.8	69.7	67.5	0.1	2.3
Life insurance	26.1	26.1	25.7	0.0	0.4
Fire, marine & casualty	29.2	29.2	28.4	0.0	0.8
Services	919.2	910.9	893.0	8.3	26.2
Business services	116.5	115.5	114.7	1.0	1.8
Health services	296.4	296.8	290.0	-0.4	6.4
Nursing & personal care	47.6	48.0	46.1	-0.4	1.5
Hospitals	184.4	184.4	178.3	0.0	6.1
Educational service	117.8	101.5	108.2	16.3	9.6
Miscellaneous services	42.3	42.6	43.0	-0.3	-0.7
Engineering & architectural	25.7	25.8	27.0	-0.1	-1.3
Government	674.4	690.1	700.1	-15.7	-25.7
Federal	127.2	128.8	128.9	-1.6	-1.7
State & local	547.2	561.3	571.2	-14.1	-24.0

TABLE 3. TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA BY MAJOR INDUSTRY DIVISIONS
(Thousands)

Year and Month	Total Manag. Wage & Salary	Private Sector Wage & Salary	All Manu-facturing	Total Non-Manu-facturing	Mining	Contract Construction	Trade		
							Total	Wholesale	Retail
1968	4,263.5	3,675.3	1,570.0	2,693.4	38.0	190.2	779.0	197.5	581.5
1969	4,374.9	3,769.6	1,588.9	2,786.1	38.6	198.5	806.3	201.7	604.7
1970	4,351.6	3,732.9	1,528.8	2,822.8	39.5	192.0	816.5	203.2	613.3
1971	4,291.3	3,662.2	1,438.1	2,853.3	38.0	189.0	828.8	203.3	625.5
1972	4,400.0	3,748.1	1,444.0	2,956.0	40.2	203.1	855.3	206.8	648.5
1973	4,506.5	3,847.7	1,480.1	3,026.4	39.7	205.9	886.5	212.5	674.0
1974	4,514.6	3,832.6	1,464.5	3,050.1	42.1	200.6	879.0	213.4	665.6
1975	4,435.8	3,714.4	1,334.8	3,101.0	46.1	184.5	886.8	216.1	670.8
1976	4,512.8	3,790.7	1,335.2	3,177.5	48.3	180.3	919.3	220.7	698.6
1977	4,565.0	3,853.8	1,341.5	3,223.5	48.0	183.9	939.0	221.7	717.2
1978	4,669.9	3,951.9	1,362.1	3,307.8	46.6	195.3	969.6	226.5	743.1
1978 Sep.	4,708.6	4,008.5	1,375.7	3,332.9	54.1	216.3	974.0	226.9	747.1
Oct.	4,721.0	4,027.1	1,372.1	3,348.9	53.4	214.3	984.0	226.7	757.3
Nov.	4,738.2	4,037.5	1,375.3	3,362.9	53.9	208.7	998.6	227.2	771.4
Dec.	4,734.8	4,027.2	1,371.2	3,363.6	52.9	192.5	1,008.0	228.3	779.7
1979 Jan.	4,634.7	3,934.0	1,364.3	3,270.5	52.7	166.1	968.7	228.0	740.7
Feb.	4,619.2	3,908.1	1,363.4	3,255.8	52.0	150.7	948.6	226.3	722.3
Mar.	4,660.7	3,947.1	1,365.4	3,295.3	52.4	166.7	957.2	226.7	730.5
Apr.	4,691.8	3,976.6	1,365.5	3,326.3	52.3	185.2	965.4	228.1	737.3
May	4,732.4	4,012.2	1,368.4	3,364.0	52.8	196.3	971.0	227.0	744.0
Jun.	4,757.2	4,039.5	1,387.3	3,369.9	52.7	198.5	970.3	228.8	741.5
Jul.	4,699.4	4,006.9	1,374.3	3,325.1	52.3	205.7	956.9	229.3	727.6
Aug.	4,688.1	3,998.0	1,367.8	3,320.3	51.9	205.8	955.6	228.8	726.8
Sep.	4,691.5	4,017.1	1,375.9	3,315.6	52.5	204.5	956.9	226.0	730.9

Year and Month	Transportation	Public Utilities	Finance, Insurance & Real Estate	Services and Miscellaneous			Government		
				Total	Hospitals	Other Services	Total	Federal	State & Local
1968	NA	NA	177.7	651.8	NA	NA	588.1	147.5	440.7
1969	NA	NA	183.1	682.6	NA	NA	609.4	146.5	462.8
1970	NA	NA	189.9	698.8	NA	NA	618.7	145.4	473.3
1971	NA	NA	193.7	709.9	NA	NA	629.2	138.5	490.7
1972	161.3	104.7	200.5	739.0	148.2	590.8	651.4	137.6	513.8
1973	161.6	105.5	206.5	762.1	151.9	610.2	658.2	136.4	521.8
1974	161.1	104.4	207.3	773.6	154.9	618.7	681.5	136.6	544.9
1975	154.0	102.5	207.3	798.5	159.8	638.7	720.9	134.4	586.5
1976	155.4	101.1	211.4	839.7	165.5	674.2	721.6	131.8	589.8
1977	160.7	100.7	217.5	862.4	171.1	691.3	711.2	128.1	583.0
1978	163.5	101.2	226.2	887.5	177.3	710.2	718.0	129.1	588.9
1978 Sep.	166.2	101.2	228.0	893.0	178.3	714.7	700.1	128.9	571.2
Oct.	167.9	101.1	228.4	905.9	178.9	727.0	693.9	128.7	565.2
Nov.	167.8	101.4	229.5	902.3	179.6	722.7	700.7	128.7	572.0
Dec.	168.0	101.6	231.1	901.9	180.0	721.9	707.6	128.7	578.9
1979 Jan.	164.4	101.6	230.8	885.4	180.2	705.2	700.8	127.6	573.2
Feb.	164.1	101.8	232.5	895.0	180.9	714.1	711.1	126.8	584.3
Mar.	165.5	101.8	233.2	904.9	181.3	723.6	713.6	126.7	586.9
Apr.	165.0	102.1	234.1	907.0	181.3	725.7	715.2	126.7	588.5
May	168.0	102.5	235.8	917.4	181.5	735.9	720.2	127.5	592.7
Jun.	168.7	103.8	238.6	919.6	184.3	735.3	717.7	129.1	588.6
Jul.	162.0	104.4	239.6	911.7	185.1	726.6	692.5	129.6	562.9
Aug.	161.8	104.6	239.6	910.9	184.4	726.5	690.1	128.8	561.3
Sep.	167.5	103.5	237.1	919.2	184.4	734.8	674.4	127.2	547.2

TABLE 4. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRY GROUPS

(Per 100 Employees)

AUGUST 1979

Industry	Employment (Thousands)	Accession Rates: Total Aug. 1979	Total Jul. 1979	Total Aug. 1978	New Hires Aug. 1979	New Hires Jul. 1979	New Hires Aug. 1978	Recalls Aug. 1979	Recalls Jul. 1979	Recalls Aug. 1978
All Manufacturing	1,367.8	3.4	3.2	3.3	2.1	1.8	2.1	1.0	1.1	0.9
Durable Goods	839.2	2.9	2.7	2.7	1.8	1.6	1.7	0.9	0.9	0.7
Furniture & Fixtures	20.5	6.8	6.6	6.9	4.9	3.5	5.2	1.6	3.0	1.4
Stone, Clay & Glass Products	64.4	3.1	2.7	2.9	1.7	1.7	2.0	1.2	0.9	0.7
Primary Metal Industries	206.8	2.1	2.2	2.0	1.2	1.4	1.2	0.5	0.6	0.6
Fabricated Metal Products	114.8	4.8	3.3	3.7	2.4	1.9	2.1	1.9	1.1	1.3
Machinery, exc. Electrical	137.7	2.2	2.0	2.0	1.5	1.3	1.6	0.6	0.5	0.3
Electric & Electronic Equip.	120.4	2.9	2.9	2.8	1.9	1.6	1.5	0.5	1.0	0.9
Transportation Equipment	86.3	2.7	3.2	3.7	1.2	1.4	2.1	1.0	1.2	1.1
Instruments & Related Products	39.3	1.7	1.5	1.7	1.0	1.2	1.5	0.5	0.1	0.1
Miscellaneous Manufacturing	27.0	3.5	3.3	2.5	2.7	1.5	1.6	0.7	1.7	0.8
Nondurable Goods	528.6	4.2	4.0	4.4	2.6	2.2	2.9	1.2	1.6	1.2
Food & Kindred Products	98.6	5.5	5.8	5.2	3.6	3.0	3.3	1.4	2.6	1.5
Textile Mill Products	48.8	4.3	4.8	4.8	3.2	2.6	4.0	1.0	2.0	0.6
Apparel & Related Products	123.2	5.2	4.8	5.2	2.4	2.1	3.1	2.3	2.4	1.7
Paper & Allied Products	46.1	3.5	4.3	3.0	2.6	2.6	2.0	0.4	1.6	0.8
Printing & Publishing	70.8	2.4	2.4	2.3	1.8	1.7	1.8	0.5	0.6	0.4
Chemicals & Allied Products	62.1	1.9	1.6	2.0	1.6	1.2	1.5	0.3	0.3	0.4
Petroleum & Coal Products	17.7	1.5	2.7	0.9	0.9	2.3	0.8	0.1	0.2	0.1
Rubber & Plastics Products	40.7	4.1	3.1	3.7	3.0	2.0	2.6	0.8	0.8	0.9
Leather & Leather Products	16.9	10.2	5.5	11.2	6.1	4.0	6.3	3.4	1.0	4.5

Industry	Employment (Thousands)	Separation Rates: Total Aug. 1979	Total Jul. 1979	Total Aug. 1978	Quits Aug. 1979	Quits Jul. 1979	Quits Aug. 1978	Layoffs Aug. 1979	Layoffs Jul. 1979	Layoffs Aug. 1978
All Manufacturing	1,367.8	4.1	3.3	3.5	2.2	1.1	1.9	1.1	1.6	0.8
Durable Goods	839.2	3.6	2.7	2.7	1.8	0.8	1.4	1.0	1.2	0.6
Furniture & Fixtures	20.5	6.7	7.5	6.9	4.4	2.0	4.6	0.6	4.5	1.1
Stone, Clay & Glass Products	64.4	3.8	2.4	3.7	2.2	0.8	2.0	1.0	1.1	0.7
Primary Metal Industries	206.8	3.4	2.3	3.1	1.7	0.5	1.5	0.8	0.8	0.8
Fabricated Metal Products	114.8	4.8	3.3	3.2	2.0	0.9	1.6	2.0	1.7	0.8
Machinery, exc. Electrical	137.7	2.3	1.9	1.9	1.3	0.7	1.1	0.4	0.7	0.2
Electric & Electronic Equip.	120.4	3.5	2.8	2.4	1.9	0.8	1.3	0.8	1.5	0.5
Transportation Equipment	86.3	3.3	3.0	3.1	1.1	0.6	1.1	1.3	1.4	0.9
Instruments & Related Products	39.3	2.3	2.1	2.3	1.4	0.8	1.5	0.2	0.8	0.2
Miscellaneous Manufacturing	27.0	5.4	4.1	3.4	3.9	1.4	1.3	1.0	2.2	0.6
Nondurable Goods	528.6	4.9	4.3	4.8	2.8	1.6	2.8	1.3	2.1	1.2
Food & Kindred Products	98.6	4.7	4.3	3.9	3.0	1.9	2.3	0.9	1.8	1.0
Textile Mill Products	48.8	5.9	6.5	5.1	3.6	2.3	3.6	1.6	3.4	0.5
Apparel & Related Products	123.2	6.1	6.7	5.5	2.7	1.9	3.2	2.6	3.9	1.3
Paper & Allied Products	46.1	4.5	3.6	3.9	2.7	1.2	3.4	0.9	1.7	0.7
Printing & Publishing	70.8	3.2	2.1	4.8	2.2	1.2	1.9	0.5	0.6	2.1
Chemicals & Allied Products	62.1	2.8	1.4	3.2	1.9	0.7	1.8	0.4	0.4	0.7
Petroleum & Coal Products	17.7	3.2	1.1	2.9	2.1	0.4	1.3	0.1	0.2	0.7
Rubber & Plastics Products	40.7	5.8	3.2	4.2	3.3	1.4	2.8	1.5	1.0	0.5
Leather & Leather Products	16.9	10.2	9.9	12.4	6.8	4.5	7.4	2.6	4.9	4.0

N = Negligible

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

Industry Detail
(Thousands)

SIC	Industry	Total - All Employees			Net Change From -	
		Sept. 1979	Aug. 1979	Sept. 1978	Aug. 1979	Sept. 1978
	TOTAL MANUFACTURING INDUSTRIES	1,375.9	1,367.8	1,375.7	8.1	0.2
	TOTAL DURABLE GOODS	848.7	839.2	835.2	9.5	13.5
24	Lumber & wood products	21.7	22.0	22.5	-0.3	-0.8
243	Millwork, plywood & structural	7.1	7.1	7.3	0.0	-0.2
	Other lumber & wood products	14.6	14.9	15.2	-0.3	-0.6
25	Furniture & fixtures	20.7	20.5	20.0	0.2	0.7
251	Household furniture	9.9	9.7	9.8	0.2	0.1
252	Office furniture	4.9	4.8	4.4	0.1	0.5
	Other furniture & fixtures	5.9	6.0	5.8	-0.1	0.1
32	Stone, clay & glass products	63.5	64.4	65.2	-0.9	-1.7
322	Glass & glassware, pressed or blown	16.9	17.3	17.5	-0.4	-0.6
3221	Glass containers	9.1	9.5	9.8	-0.4	-0.7
3229	Other pressed or blown glass	7.8	7.8	7.7	0.0	0.1
324	Hydraulic cement	3.2	3.3	3.4	-0.1	-0.2
325	Structural clay products	6.3	6.6	6.5	-0.3	-0.2
326	Pottery & related products	4.4	4.1	4.4	0.3	0.0
327	Concrete, gypsum & plaster products	9.2	9.3	9.2	-0.1	0.0
	Other stone, clay & glass products	23.5	23.8	24.2	-0.3	-0.7
33	Primary metal industries	204.7	206.8	201.0	-2.1	3.7
331	Blast furnace & basic steel products	153.1	154.8	151.5	-1.7	1.6
3312	Blast furnaces & steel mills	139.7	141.8	138.6	-2.1	1.1
	Other basic steel products	13.4	13.0	12.9	0.4	0.5
332	Iron & steel foundries	20.7	20.8	19.6	-0.1	1.1
3321	Gray iron foundries	8.3	8.3	8.1	0.0	0.2
3325	Steel foundries, n.e.c.	7.4	7.5	6.5	-0.1	0.9
3322,4	Malleable iron & steel invest.	5.0	5.0	5.0	0.0	0.0
335	Nonferrous rolling & drawing	13.2	13.3	12.9	-0.1	0.3
336	Nonferrous foundries	7.9	7.9	7.4	0.0	0.5
	Other primary metal products	9.8	10.0	9.6	-0.2	0.2
34	Fabricated metal products,(incl. ordnance)	115.2	114.8	113.4	0.4	1.8
341	Metal cans & shipping containers	4.9	5.0	5.1	-0.1	-0.2
342	Cutlery, hand tools & hardware	7.4	7.5	8.0	-0.1	-0.6
343	Plumbing & heating exc. electrical	3.0	3.0	2.9	0.0	0.1
344	Fabricated structural metal products	37.7	37.4	36.9	0.3	0.8
3441	Fabricated structural metal	9.9	9.8	9.3	0.1	0.6
3443	Fabricated plate work (boiler shops)	11.3	11.1	10.5	0.2	0.8
	Other fabricated struct. metal products	16.5	16.5	17.1	0.0	-0.6
345	Screw machine products, bolts, etc.	8.8	9.0	7.9	-0.2	0.9
346	Metal forgings & stampings	20.6	20.1	20.9	0.5	-0.3
3462	Iron & steel forgings	6.3	6.2	5.7	0.1	0.6
	Other metal forgings & stampings	14.3	13.9	15.2	0.4	-0.9
347,8	Metal services & ordnance, n.e.c.	8.3	8.5	8.1	-0.2	0.2
349	Misc. fabricated metal products	24.5	24.3	23.6	0.2	0.9
3494	Valves & pipe fittings	11.0	10.8	10.4	0.2	0.6
	Other misc. fabricated metal products	13.5	13.5	13.2	0.0	0.3
35	Machinery, exc. electrical	140.8	137.7	139.6	3.1	1.2
351	Engines & turbines	7.8	5.4	8.1	2.4	-0.3
352	Farm & garden machinery	4.4	4.4	4.1	0.0	0.3
353	Construction & related machinery	26.3	26.3	25.8	0.0	0.5
3531	Construction machinery	10.1	10.2	9.9	-0.1	0.2
3535	Conveyors & conveying equipment	3.4	3.5	3.6	-0.1	-0.2
	Other construction & related machinery	12.8	12.6	12.3	0.2	0.5
354	Metal working machinery	21.6	21.2	21.3	0.4	0.3
355	Special industry machinery	14.9	14.9	14.5	0.0	0.4
356	General industrial machinery	29.1	28.6	29.2	0.5	-0.1
3562	Pumps & pumping equipment	3.6	3.1	3.7	0.5	-0.1
3562	Ball & roller bearings	4.4	4.4	4.2	0.0	0.2
3563	Air & gas compressors	5.2	5.2	5.3	0.0	-0.1
3567	Industrial furnaces & ovens	4.0	4.0	4.1	0.0	-0.1
	Other general industrial machinery	11.9	11.9	11.9	0.0	0.0

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
(cont.) Industry Detail
(Thousands)

SIC Code	Industry	Total – All Employees			Net Change –	
		Sept. 1979	Aug. 1979	Sept. 1978	Aug. 1979	Sept. 1978
357	Office and computing machines	11.7	11.6	11.8	0.1	-0.1
358	Refrigeration & service industry machinery	11.3	11.5	11.8	-0.2	-0.5
359	Misc. machinery, exc. electrical	13.7	13.8	13.0	-0.1	0.7
36	Electric & electronic equipment	129.4	120.4	125.7	9.0	3.7
361	Electric distributing equipment	19.4	14.3	20.3	5.1	-0.9
3612	Transformers	6.4	5.2	6.6	1.2	-0.2
3613	Switchgear & switchboard apparatus	13.0	9.1	13.7	3.9	-0.7
362	Electrical industrial apparatus	23.3	20.0	23.8	3.3	-0.5
363	Household appliances	4.6	4.4	4.8	0.2	-0.2
364	Electric lighting & wiring equipment	23.3	23.4	22.0	-0.1	1.3
3643	Current-carrying wiring devices	11.2	11.5	10.5	-0.3	0.7
	Other electric light & wiring equipment	12.1	11.9	11.5	0.2	0.6
366	Communication equipment	9.7	9.5	8.5	0.2	1.2
367	Electronic components & accessories	35.9	35.8	33.8	0.1	2.1
3674	Semiconductors & related devices	11.9	11.8	10.5	0.1	1.4
	Other electronic components & accessories	24.0	24.0	23.3	0.0	0.7
	Other electrical equipment & supplies	13.2	13.0	12.5	0.2	0.7
37	Transportation equipment	87.0	86.3	82.7	0.7	4.3
371	Motor vehicles & equipment	31.5	30.8	29.1	0.7	2.4
3714	Motor vehicle parts & accessories	11.2	11.0	11.5	0.2	-0.3
	Other motor vehicles & equipment	20.3	19.8	17.6	0.5	2.7
372	Aircraft & parts	11.6	11.7	11.2	-0.1	0.4
373	Ship & boat building & repairing	8.3	8.2	7.0	0.1	1.3
374	Railroad equipment	24.0	23.6	22.7	0.4	1.3
	Other transportation equipment	11.6	12.0	12.7	-0.4	-1.1
38	Instruments & related products	38.9	39.3	37.9	-0.4	1.0
382	Measuring & controlling devices	20.6	20.9	20.2	0.4	0.4
384	Medical instruments & supplies	11.3	11.3	10.7	0.6	0.6
	Other instruments & related products	7.0	7.1	7.0	0.0	0.0
39	Miscellaneous manufacturing industries	26.8	27.0	27.2	-0.2	-0.4
	TOTAL NONDURABLE GOODS	527.2	528.6	540.5	-1.4	-13.3
20	Food & kindred products	99.1	98.6	99.8	0.5	-0.7
201	Meat products	15.3	15.5	15.2	-0.2	0.1
2011	Meat packing plants	4.8	4.9	4.8	-0.1	0.0
2013	Sausages & other prepared meats	5.5	5.6	5.7	-0.1	-0.2
2016,7	Poultry dressing & processing	5.0	5.0	4.7	0.0	0.3
202	Dairy products	11.7	12.0	12.1	-0.3	-0.4
2026	Fluid milk	6.8	6.9	7.1	-0.1	-0.3
	Other dairy products	4.9	5.1	5.0	-0.2	-0.1
203	Preserved fruits & vegetables	14.7	13.5	13.8	1.2	0.9
2033	Canned fruits & vegetables	6.1	5.4	5.9	0.7	0.2
	Other preserved fruits & vegetables	8.6	8.1	7.9	0.5	0.7
204	Grain mill products	4.2	4.5	4.6	-0.3	-0.4
205	Bakery products	19.5	19.6	20.4	-0.1	-0.9
2051	Bread, cake & related products	15.0	15.0	15.6	0.0	-0.6
2052	Cookies & crackers	4.5	4.6	4.8	-0.1	-0.3
206	Sugar & confectionery products	15.7	15.4	15.5	0.3	0.2
2065	Confectionery products	6.6	6.5	6.2	0.1	0.4
2066	Chocolate & cocoa products	6.6	6.4	6.2	0.2	0.4
	Other sugar products	2.5	2.5	3.1	0.0	-0.6
208	Beverages	9.6	9.7	9.9	-0.1	-0.3
	Other food & kindred products	8.4	8.4	8.3	0.0	0.1
21	Tobacco manufacturers	3.6	3.7	4.2	-0.1	-0.6
22	Textile mill products	48.5	48.8	51.0	-0.3	-2.5
222	Weaving mills, snythetics	4.2	4.3	4.4	-0.1	-0.2
225	Knitting mills	25.4	25.6	27.1	-0.2	-1.7
2253	Knit outerwear mills	13.8	14.0	15.2	-0.2	-1.4
2254	Knit underwear mills	4.8	4.8	4.9	0.0	-0.1
	Other knitting mills	6.8	6.8	7.0	0.0	-0.2
227	Floor covering mills	3.9	4.1	4.0	-0.2	-0.1
228	Yarn & thread mills	4.9	4.8	5.2	0.1	-0.3
	Other textile mill products	10.1	10.0	10.3	0.1	-0.2

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

(concl.) Industry Detail

(Thousands)

SIC	Industry	Total - All Employees			Net Change From -	
		Sept. 1979	Aug. 1979	Sept. 1979	Aug. 1979	Sept. 1978
23	Apparel & other textile products	123.5	123.2	134.0	0.3	-10.5
231	Mens & boys suits & coats	14.9	15.0	17.2	-0.1	-2.3
232	Mens & boys furnishings	24.2	24.5	25.6	-0.3	-1.4
2321	Mens & boys shirts & nightwear	9.5	9.7	9.7	-0.2	-0.2
2327	Mens & boys separate trousers	5.7	5.9	6.1	-0.2	-0.4
	Other furnishings and work clothing	9.0	8.9	9.8	0.1	-0.8
233	Womens & misses outerwear	55.2	54.3	60.4	0.9	-5.2
234	Women & childrens undergarments	10.4	10.4	10.5	0.0	-0.1
236	Childrens outerwear	6.6	6.7	7.7	-0.1	-1.1
	Other apparel & textile products	12.2	12.3	12.6	-0.1	-0.4
26	Paper & allied products	45.8	46.1	45.8	-0.3	0.0
262	Paper mills exc. building paper	11.7	12.0	11.8	-0.3	-0.1
265	Paper board containers & boxes	16.6	16.6	16.5	0.0	0.1
2653	Corrugated & solid fiber boxes	8.3	8.3	8.2	0.0	0.1
	Other paperboard containers	8.3	8.3	8.3	0.0	0.0
	Other paper & allied products	17.5	17.5	17.5	0.0	0.0
27	Printing & publishing	70.5	70.8	69.6	-0.3	0.9
271	Newspapers	25.4	25.4	25.3	0.0	0.1
273	Books	8.1	8.3	8.4	-0.2	-0.3
275	Commercial printing	19.7	19.8	19.4	-0.1	0.3
2752	Lithographing	10.1	10.0	9.8	0.1	0.3
	Other commercial printing	9.6	9.8	9.6	-0.2	0.0
276	Manifold business forms	3.8	3.8	3.6	0.0	0.2
	Other printing & publishing	13.5	13.5	12.9	0.0	0.6
28	Chemicals & allied products	61.4	62.1	60.1	-0.7	1.3
281	Industrial inorganic chemicals	11.3	11.5	10.4	-0.2	0.9
282	Plastic materials & synthetics	8.5	8.7	8.6	-0.2	-0.1
283	Drugs	17.5	17.5	16.9	0.0	0.6
284	Soap, cleaners & toliet goods	3.1	3.2	3.3	-0.1	-0.2
285	Paints & allied products	4.4	4.4	4.3	0.0	0.1
	Other chemical & allied products	16.6	16.8	16.6	-0.2	0.0
29	Petroleum & coal products	17.3	17.7	17.0	-0.4	0.3
291	Petroleum refining	13.5	13.7	13.2	-0.2	0.3
	Other petroleum & coal products	3.8	4.0	3.8	-0.2	0.0
30	Rubber & misc. plastic products	40.8	40.7	40.4	0.1	0.4
301	Tires & inner tubes	7.9	8.0	7.8	-0.1	0.1
306	Fabricated rubber products	5.7	5.7	5.2	0.0	0.5
	Other rubber & plastic products, n.e.c.	27.2	27.0	27.4	0.2	-0.2
31	Leather & leather products	16.7	16.9	18.6	-0.2	-1.9
314	Footwear, exc. rubber	12.7	13.0	14.6	-0.3	-1.9
3143	Mens footwear, exc. athletic	4.4	4.6	5.6	-0.2	-1.2
3144	Womens footwear, exc. athletic	4.4	4.5	5.2	-0.1	-0.8
	Other footwear	3.9	3.9	3.8	0.0	0.1
	Other leather & leather products	4.0	3.9	4.0	0.1	0.0

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978
TOTAL MANUFACTURING INDUSTRIES	$283.69	$279.49	$263.66	39.9	39.7	40.5	$ 7.11	$ 7.04	$6.51
TOTAL DURABLE GOODS	322.64	317.79	300.00	41.1	40.9	41.9	7.85	7.77	7.16
Lumber & wood products	207.32	202.40	197.80	40.1	40.0	40.7	5.17	5.06	4.86
Millwork, plywood & structural	212.65	207.23	213.45	39.6	39.7	42.1	5.37	5.22	5.07
Other lumber & wood products	204.83	200.20	190.88	40.4	40.2	40.1	5.07	4.98	4.76
Furniture & fixtures	231.20	231.15	211.68	40.0	40.2	39.2	5.78	5.75	5.40
Household furniture	204.06	205.82	190.61	39.7	40.2	38.9	5.14	5.12	4.90
Office furniture	244.34	243.95	236.81	38.6	38.6	39.8	6.33	6.32	5.95
Other furniture & fixtures	269.61	267.10	231.67	41.8	41.8	39.4	6.45	6.39	5.88
Stone, clay & glass products	311.90	306.16	278.38	43.2	42.7	42.5	7.22	7.17	6.55
Glass & glassware,pressed or blown	287.53	283.27	263.41	40.9	40.7	40.4	7.03	6.96	6.52
Glass containers	305.53	298.98	284.14	41.4	40.9	41.3	7.38	7.31	6.88
Other pressed or blown glass	267.85	265.28	239.16	40.4	40.5	39.4	6.63	6.55	6.07
Hydraulic cement	399.23	390.26	358.80	41.2	40.4	41.1	9.69	9.66	8.73
Structural clay products	270.17	260.71	246.02	41.5	40.8	40.2	6.51	6.39	6.12
Pottery & related products	270.30	258.67	254.32	42.5	40.8	44.0	6.36	6.34	5.78
Concrete, gypsum & plaster prods.	299.91	304.20	275.69	44.3	45.0	44.9	6.77	6.76	6.14
Other stone, clay & glass prods.	353.43	345.19	296.76	46.2	45.3	43.9	7.65	7.62	6.76
Primary metal industries	403.60	399.75	371.78	41.1	41.0	42.2	9.82	9.75	8.81
Blast furnace & basic steel prods.	436.65	432.31	401.53	41.0	40.9	42.4	10.65	10.57	9.47
Blast furnaces & steel mills	443.09	439.42	406.93	40.8	40.8	42.3	10.86	10.77	9.62
Other basic steel products	367.22	356.59	339.12	42.8	42.2	43.2	8.58	8.45	7.85
Iron & steel foundries	299.34	297.35	278.64	39.7	39.7	40.5	7.54	7.49	6.88
Gray iron foundries	302.06	294.33	272.57	40.6	40.1	40.5	7.44	7.34	6.73
Steel foundries, n.e.c.	286.51	300.70	280.67	37.6	38.9	39.2	7.62	7.73	7.16
Malleable iron & steel invest.	312.36	299.36	287.19	41.1	40.4	42.3	7.60	7.41	6.71
Nonferrous rolling & drawing	324.85	313.12	298.66	42.8	42.2	43.6	7.59	7.42	6.85
Nonferrous foundries	296.78	292.95	263.53	43.2	43.4	42.3	6.87	6.75	6.23
Other primary metal products	315.14	310.67	290.07	42.3	41.7	42.1	7.45	7.45	6.89
Fabricated metal prods., incl. ordn.	290.07	283.60	274.39	40.4	40.0	41.2	7.18	7.09	6.66
Metal cans & shipping containers	340.99	356.53	367.56	43.0	44.4	48.3	7.93	8.03	7.61
Cutlery, hand tools & hardware	228.00	220.15	207.97	38.0	37.0	38.3	6.00	5.95	5.43
Plumbing & heating exc. electrical	296.35	289.68	250.74	44.1	43.3	42.0	6.72	6.69	5.97
Fabricated structural metal prods.	284.66	280.42	257.67	40.9	40.7	40.9	6.96	6.89	6.30
Fabricated struct. metal	270.90	273.50	290.94	35.0	35.2	39.8	7.74	7.77	7.31
Fab. plate work (boiler shops)	315.32	298.47	267.53	44.1	42.7	42.6	7.15	6.99	6.28
Other fab. struct. metal prods.	273.90	273.71	234.09	42.4	42.7	40.5	6.46	6.41	5.78
Screw machine products, bolts,etc.	273.23	258.99	253.78	40.3	39.3	40.8	6.78	6.59	6.22
Metal forgings & stampings	341.20	331.45	345.59	40.0	39.6	42.3	8.53	8.37	8.17
Iron & steel forgings	298.56	278.58	304.01	40.4	38.8	43.0	7.39	7.18	7.07
Other metal forgings & stampings	355.81	351.12	359.53	39.8	39.9	42.1	8.94	8.80	8.54
Metal services & ordnance, n.e.c.	270.07	256.99	245.60	39.6	38.3	40.0	6.82	6.71	6.14
Misc. fabricated metal products	275.49	267.81	253.20	40.1	39.5	40.0	6.87	6.78	6.33
Valves & pipe fittings	278.99	267.24	254.23	40.2	39.3	40.1	6.94	6.80	6.34
Other misc. fab. metal products	272.40	268.77	252.17	40.0	39.7	39.9	6.81	6.77	6.32
Machinery, exc. electrical	319.07	312.28	295.48	42.6	42.2	42.7	7.49	7.40	6.92
Engines & turbines	265.28	249.60	305.14	39.3	38.4	41.8	6.75	6.50	7.30
Farm & garden machinery	367.88	335.72	348.35	46.1	43.6	46.2	7.98	7.70	7.54
Construction & related machinery	332.83	324.24	315.01	41.5	41.2	42.8	8.02	7.87	7.36
Construction machinery	349.87	337.77	338.80	41.8	41.7	44.0	8.37	8.10	7.70
Conveyors & conveying equipment	237.25	248.79	252.75	37.9	38.1	40.7	6.26	6.53	6.21
Other constr. & related mach.	330.68	323.01	305.11	41.7	41.2	42.2	7.93	7.84	7.23
Metal working machinery	316.31	308.66	298.80	40.5	40.4	41.5	7.81	7.64	7.20
Special industry machinery	299.22	286.08	264.68	41.5	39.9	41.1	7.21	7.17	6.44
General industrial machinery	335.25	335.54	297.79	45.0	45.1	43.6	7.45	7.44	6.83
Pumps & pumping equipment	320.80	318.28	273.84	42.1	42.1	42.0	7.62	7.56	6.52
Ball & roller bearings	337.78	328.41	307.73	45.4	44.2	42.8	7.44	7.43	7.19
Air & gas compressors	354.75	366.22	320.86	47.3	48.7	46.1	7.50	7.52	6.96
Industrial furnaces & ovens	307.09	291.27	289.68	41.0	39.9	40.8	7.49	7.30	7.10
Other general industrial mach.	337.44	340.29	295.03	45.6	45.8	44.1	7.40	7.43	6.69
Office and computing machines	357.18	340.12	317.55	45.5	44.0	43.5	7.85	7.73	7.30
Refrigeration & serv. ind. mach.	266.27	263.13	252.57	41.8	41.7	43.1	6.37	6.31	5.86
Misc. machinery, exc. electrical	311.90	297.50	282.97	43.5	42.5	43.4	7.17	7.00	6.52

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(cont.)
Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978
Electrical & electronic equipment	$270.55	$256.71	$260.62	40.2	39.8	41.5	$6.73	$6.45	$6.28
Electric distributing equipment	301.73	281.30	311.64	40.5	39.9	42.4	7.45	7.05	7.35
Transformers	293.85	237.30	300.15	45.0	42.0	43.5	6.53	5.65	6.90
Switchgear & switchbrd apparatus	305.28	302.64	317.26	38.4	38.8	41.8	7.95	7.80	7.59
Electrical industrial apparatus	275.52	246.09	276.30	39.7	39.0	41.8	6.94	6.31	6.61
Household appliances	246.74	240.39	230.43	35.4	35.3	37.9	6.97	6.81	6.08
Electric lighting & wiring equip.	262.86	250.10	240.08	41.2	40.8	40.9	6.38	6.13	5.87
Current-carrying wiring devices	283.52	262.92	242.72	44.3	42.0	41.0	6.40	6.26	5.92
Other elect lght & wirng equip.	249.95	242.20	238.86	39.3	40.1	40.9	6.36	6.04	5.84
Communication equipment	311.98	311.24	279.36	40.1	39.8	42.2	7.78	7.82	6.62
Electronic components & access.	268.45	261.94	238.27	41.3	40.8	40.8	6.50	6.42	5.84
Semiconductors & related devices	365.03	357.90	305.34	44.3	43.7	42.0	8.24	8.19	7.27
Other electronic comp.& access.	223.04	217.25	204.62	39.9	39.5	40.2	5.59	5.50	5.09
Other electrical equip. & supplies	233.55	230.89	243.52	38.1	38.1	43.1	6.13	6.06	5.65
Transportation equipment	346.39	341.04	326.90	40.8	40.6	42.4	8.49	8.40	7.71
Motor vehicles & equipment	362.07	363.19	361.49	40.5	40.9	43.5	8.94	8.88	8.31
Motor vehicle parts & access.	362.66	350.64	358.72	41.4	41.3	43.8	8.76	8.49	8.19
Other motor vehicles & equip.	361.10	370.27	364.15	39.9	40.6	43.3	9.05	9.12	8.41
Aircraft & parts	326.03	306.89	304.26	40.5	38.7	42.2	8.05	7.93	7.21
Ship & boat building & repairing	346.06	342.34	304.08	42.1	42.9	42.0	8.22	7.98	7.24
Railroad equipment	348.49	340.84	309.28	39.2	38.6	39.6	8.89	8.83	7.81
Other transportation equipment	304.18	305.76	294.65	45.4	45.5	45.4	6.70	6.72	6.49
Instruments & related products	260.65	251.54	249.07	40.1	39.8	41.1	6.50	6.32	6.06
Measuring & controlling devices	281.25	269.12	265.85	41.3	40.9	41.8	6.81	6.58	6.36
Medical instruments & supplies	225.41	218.86	229.77	38.4	37.8	40.1	5.87	5.79	5.73
Other instruments & related prods.	256.89	248.69	229.55	39.4	39.6	40.7	6.52	6.28	5.64
Misc. manufacturing industries	257.44	255.60	242.78	40.1	40.0	41.5	6.42	6.39	5.85
TOTAL NONDURABLE GOODS	223.27	221.92	209.83	38.1	38.0	38.5	5.86	5.84	5.45
Food & kindred products	255.50	256.07	249.00	40.3	40.2	41.5	6.34	6.37	6.00
Meat products	272.81	275.10	249.72	42.1	42.0	41.3	6.48	6.55	5.96
Meat packing plants	302.00	310.06	307.74	41.2	41.9	44.6	7.33	7.40	6.90
Sausages & other prepared meats	299.88	304.00	258.90	39.2	40.0	38.7	7.65	7.60	6.69
Poultry dressing & processing	222.10	216.04	186.98	45.7	44.0	42.4	4.86	4.91	4.41
Dairy products	284.23	269.22	251.91	43.0	42.0	41.5	6.61	6.41	6.07
Fluid milk	282.73	268.27	255.49	41.7	41.4	42.3	6.78	6.48	6.04
Other dairy products	285.56	269.66	249.49	44.0	42.4	40.9	6.49	6.36	6.10
Preserved fruits & vegetables	216.33	217.73	202.52	38.7	38.4	39.4	5.59	5.67	5.14
Canned fruits & vegetables	199.36	194.18	173.05	39.4	38.3	38.8	5.06	5.07	4.46
Other preserved fruits & vegs.	228.22	234.78	225.04	38.1	38.5	39.9	5.99	6.08	5.64
Grain mill products	272.00	272.69	285.29	41.4	40.7	42.9	6.57	6.70	6.65
Bakery products	251.29	244.61	256.10	40.4	40.1	42.4	6.22	6.10	6.04
Bread, cake & related products	251.30	246.36	245.37	39.7	39.8	41.1	6.33	6.19	5.97
Cookies & crackers	250.32	239.32	282.10	42.0	40.7	45.5	5.96	5.88	6.20
Sugar & confectionery products	241.43	244.22	242.00	37.2	37.4	40.4	6.49	6.53	5.99
Confectionery products	201.72	209.68	208.30	34.6	35.3	39.6	5.83	5.94	5.26
Chocolate & cocoa products	273.36	275.67	251.54	40.8	40.6	40.9	6.70	6.79	6.15
Other sugar products	281.22	273.28	284.26	36.1	36.1	40.9	7.79	7.57	6.95
Beverages	321.53	345.35	326.47	40.7	42.9	42.9	7.90	8.05	7.61
Other food & kindred products	231.29	221.27	226.73	41.9	40.6	42.3	5.52	5.45	5.36
Tobacco manufacturers	159.71	157.00	140.69	38.3	38.2	39.3	4.17	4.11	3.58
Textile mill products	182.96	180.01	171.83	38.6	38.3	38.7	4.74	4.70	4.44
Weaving mills, snythetics	213.96	210.24	188.58	43.4	43.8	42.0	4.93	4.80	4.49
Knitting mills	167.16	165.52	159.90	36.9	36.7	37.1	4.53	4.51	4.31
Knit outerwear mills	167.40	164.86	155.88	37.2	36.8	36.0	4.50	4.48	4.33
Knit underwear mills	140.15	143.10	143.35	34.1	34.4	37.5	4.11	4.16	3.82
Other knitting mills	186.90	183.64	182.03	38.3	38.1	39.4	4.88	4.82	4.62
Floor covering mills	228.28	226.94	239.04	39.7	39.4	43.7	5.75	5.76	5.47
Yarn & thread mills	174.94	166.44	159.53	39.4	38.0	39.1	4.44	4.38	4.08
Other textile mill products	198.30	195.60	184.86	39.9	40.0	40.1	4.97	4.89	4.61

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(concl.) Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978
Apparel & other textile products	$146.05	$142.79	$141.96	32.6	32.6	33.8	$ 4.48	$ 4.38	$ 4.20
Mens & boys suits & coats	184.60	183.38	181.50	34.7	34.6	36.3	5.32	5.30	5.00
Mens & boys furnishings	151.71	145.38	143.38	35.2	35.2	34.8	4.31	4.13	4.12
Mens & boys shirts & nightwear	149.56	145.35	145.35	34.7	35.8	35.8	4.31	4.06	4.06
Mens & boys separate trousers	157.50	144.13	145.87	31.5	30.6	32.2	5.00	4.71	4.53
Other furnishings & wrk. clothng	150.10	147.03	139.94	38.0	37.7	35.7	3.95	3.90	3.92
Womens & misses outerwear	138.46	135.30	135.79	30.1	30.0	31.8	4.60	4.51	4.27
Women & childrens undergarments	137.16	133.46	133.58	36.0	35.4	36.8	3.81	3.77	3.63
Childrens outerwear	126.58	123.47	124.12	31.1	31.1	34.1	4.07	3.97	3.64
Other apparel & textile products	139.13	140.19	131.45	34.1	34.7	34.5	4.08	4.04	3.81
Paper & allied products	298.53	296.10	277.93	45.3	45.0	44.9	6.59	6.58	6.19
Paper mills exc. building paper	384.94	383.80	345.68	47.7	47.5	46.4	8.07	8.08	7.45
Paper board containers & boxes	282.63	277.20	259.72	42.5	42.0	43.0	6.65	6.60	6.04
Corrugated & solid fiber boxes	292.63	284.31	274.95	41.1	40.1	42.3	7.12	7.09	6.50
Other paperboard containers	272.87	270.42	245.03	43.8	43.9	43.6	6.23	6.16	5.62
Other paper & allied products	268.63	267.02	256.58	46.8	46.6	45.9	5.74	5.73	5.59
Printing & publishing	269.28	266.35	251.40	37.4	37.2	36.7	7.20	7.16	6.85
Newspapers	282.83	280.23	253.60	34.2	34.3	33.5	8.27	8.17	7.57
Books	217.87	213.11	201.66	35.6	35.4	36.4	6.12	6.02	5.54
Commercial printing	284.59	285.59	264.98	39.2	39.5	37.8	7.26	7.23	7.01
Lithographing	279.57	275.02	248.25	39.1	38.9	36.4	7.15	7.07	6.82
Other commercial printing	289.25	295.20	281.13	39.3	40.0	39.1	7.36	7.38	7.19
Manifold business forms	290.60	279.50	280.57	40.7	39.2	42.9	7.14	7.13	6.54
Other printing & publishing	261.89	255.75	252.40	38.4	37.5	36.9	6.82	6.82	6.84
Chemicals & allied products	301.14	297.62	273.90	42.0	41.8	41.5	7.17	7.12	6.60
Industrial inorganic chemicals	317.84	311.25	298.28	43.9	43.9	43.8	7.24	7.09	6.81
Plastic materials & synthetics	308.59	316.09	259.53	41.2	41.7	40.3	7.49	7.58	6.44
Drugs	285.04	285.65	259.85	39.1	39.4	38.9	7.29	7.25	6.68
Soap, cleaners & toliet goods	261.65	269.41	264.60	41.4	42.9	44.1	6.32	6.28	6.00
Paints & allied products	274.19	270.27	254.27	40.5	40.1	39.3	6.77	6.74	6.47
Other chemical & allied products	315.76	305.15	289.94	44.1	43.1	43.6	7.16	7.08	6.65
Petroleum & coal products	401.82	391.39	374.44	43.3	43.2	44.0	9.28	9.06	8.51
Petroleum refining	421.40	404.60	387.00	43.0	42.5	43.0	9.80	9.52	9.00
Other petroleum & coal products	332.42	342.00	334.41	44.5	45.6	47.1	7.47	7.50	7.10
Rubber & misc. plastic products	237.20	230.89	230.04	39.6	39.2	41.3	5.99	5.89	5.57
Tires & inner tubes	370.01	352.44	350.72	45.4	44.0	46.7	8.15	8.01	7.51
Fabricated rubber products	264.59	270.50	248.36	42.2	42.8	42.6	6.27	6.32	5.83
Other rubber & plastic prods.,nec	198.68	192.98	194.83	37.7	37.4	39.6	5.27	5.16	4.92
Leather & leather products	163.83	161.82	145.92	39.1	38.9	38.4	4.19	4.16	3.80
Footwear, exc. rubber	150.40	149.63	131.76	37.6	37.5	36.6	4.00	3.99	3.60
Mens footwear, exc. athletic	165.65	165.65	147.96	40.7	40.8	41.1	4.07	4.06	3.60
Womens footwear, exc. athletic	148.88	145.78	117.75	37.5	37.0	32.8	3.97	3.94	3.59
Other footwear	134.35	133.57	126.36	34.1	33.9	35.1	3.94	3.94	3.60
Other leather & leather products	204.92	201.87	201.13	43.6	43.6	45.3	4.70	4.63	4.44
SELECTED NONMANUFACTURING INDUSTRIES									
Anthracite Mining	351.47	357.07	300.85	46.8	47.8	40.6	7.51	7.47	7.41
Bituminous coal & lignite mining	380.10	341.28	368.38	35.0	31.6	35.8	10.86	10.80	10.29
Nonmetallic minerals, exc. fuels	344.30	340.03	328.61	47.1	46.9	48.9	7.31	7.25	6.72
Communication	373.80	365.71	332.50	42.0	41.7	41.1	8.90	8.77	8.09
Electric, gas, & sanitary services	403.19	389.39	367.04	45.1	44.4	43.8	8.94	8.77	8.38
Electric services	412.41	412.96	370.76	46.6	46.4	45.0	8.85	8.90	8.06
Gas production & distribution	343.94	331.14	312.42	43.1	42.4	41.0	7.98	7.81	7.62
General merchandise stores	130.00	133.10	113.69	27.6	28.5	26.5	4.71	4.67	4.29
Banking	170.80	170.22	153.31	NA	NA	NA	NA	NA	NA
Insurance carriers	205.82	207.56	193.51	NA	NA	NA	NA	NA	NA
Life insurance	193.51	196.00	183.67	NA	NA	NA	NA	NA	NA
Fire, marine & casualty ins.	207.72	210.83	193.56	NA	NA	NA	NA	NA	NA

TABLE 7. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS IN SELECTED MANUFACTURING GROUPS

Industry Detail

Year and Month	All Manufacturing			All Durable Goods			All Nondurable Goods			Primary Metals		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$154.42	39.8	$3.88	$172.61	41.0	$4.21	$130.60	38.3	$3.41	$191.83	40.3	$4.76
1973	167.23	40.2	4.16	187.17	41.5	4.51	139.03	38.3	3.63	212.38	41.4	5.13
1974	180.97	39.6	4.57	203.45	41.1	4.95	146.59	37.3	3.93	239.61	41.1	5.83
1975	193.22	38.8	4.98	217.60	40.0	5.44	159.22	37.2	4.28	253.37	39.1	6.48
1976	210.11	39.2	5.36	236.16	40.3	5.86	172.58	37.6	4.59	279.89	39.7	7.05
1977	231.08	39.5	5.85	260.48	40.7	6.40	188.62	37.8	4.99	308.07	39.7	7.76
1978	254.80	40.0	6.37	289.10	41.3	7.00	204.60	38.1	5.37	356.10	41.6	8.56
1978 Sep	263.66	40.5	6.51	300.00	41.9	7.16	209.83	38.5	5.45	371.78	42.2	8.81
Oct	262.10	40.2	6.52	297.86	41.6	7.16	209.34	38.2	5.48	365.20	41.5	8.80
Nov	270.50	40.8	6.63	307.22	42.2	7.28	213.84	38.6	5.54	381.38	42.9	8.89
Dec	270.95	40.5	6.69	306.08	41.7	7.34	216.55	38.6	5.61	368.87	41.4	8.91
1979 Jan	269.20	40.0	6.73	305.95	41.4	7.39	212.81	37.8	5.63	373.92	41.5	9.01
Feb	271.32	39.9	6.80	308.92	41.3	7.48	212.06	37.6	5.64	384.14	41.8	9.19
Mar	274.44	40.3	6.81	313.50	41.8	7.50	215.65	38.1	5.66	387.74	42.1	9.21
Apr	265.30	38.9	6.82	301.50	40.2	7.50	209.59	36.9	5.68	396.68	42.2	9.40
May	273.14	39.7	6.88	311.54	41.1	7.58	215.27	37.7	5.71	387.39	41.3	9.38
Jun	278.29	40.1	6.94	316.30	41.4	7.64	218.12	38.0	5.74	397.00	42.1	9.43
Jul	277.31	39.9	6.95	313.65	41.0	7.65	221.37	38.3	5.78	397.00	42.1	9.43
Aug	279.49	39.7	7.04	317.79	40.9	7.77	221.92	38.0	5.84	399.75	41.0	9.75
Sep	283.69	39.9	7.11	322.64	41.1	7.85	223.27	38.1	5.86	403.60	41.1	9.82

Year and Month	Fabricated Metal Products			Machinery Except Electrical			Electric & Electronic Equip.			Transportation Equipment		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$168.47	41.7	$4.04	$183.17	42.4	$4.32	$161.57	40.8	$3.96	$180.59	40.4	$4.47
1973	182.68	41.9	4.36	198.77	43.4	4.58	167.69	40.8	4.11	197.69	41.1	4.81
1974	196.24	41.4	4.74	209.78	42.9	4.89	175.96	39.9	4.41	215.54	40.9	5.27
1975	208.17	40.5	5.14	222.14	41.6	5.34	191.84	39.8	4.82	234.61	39.9	5.88
1976	223.01	40.4	5.52	241.60	41.8	5.78	206.96	40.5	5.11	254.23	40.1	6.34
1977	246.64	40.7	6.06	262.92	42.0	6.26	225.74	40.6	5.56	289.26	41.8	6.92
1978	264.71	40.6	6.52	291.13	42.5	6.85	247.25	40.6	6.09	315.59	41.8	7.55
1978 Sep	274.39	41.2	6.66	295.48	42.7	6.92	260.62	41.5	6.28	326.90	42.4	7.71
Oct	273.36	40.8	6.70	297.08	42.5	6.99	259.78	41.3	6.29	326.98	42.3	7.73
Nov	280.57	41.2	6.81	304.72	43.1	7.07	263.54	41.7	6.32	338.55	42.8	7.91
Dec	285.49	41.8	6.83	309.31	42.9	7.21	264.92	41.2	6.43	348.29	43.7	7.97
1979 Jan	278.94	40.9	6.82	302.74	42.4	7.14	259.84	40.6	6.40	345.06	42.6	8.10
Feb	281.11	40.8	6.89	306.00	42.5	7.20	260.58	40.4	6.45	339.81	41.9	8.11
Mar	287.04	41.3	6.95	310.17	42.9	7.23	264.68	41.1	6.44	341.88	4.20	8.14
Apr	261.23	38.7	6.75	286.63	40.2	7.13	250.63	39.1	6.41	311.65	39.4	7.91
May	288.23	41.0	7.03	303.47	41.8	7.26	261.55	40.3	6.49	333.33	41.0	8.13
Jun	288.36	40.5	7.12	309.33	42.2	7.33	264.31	40.6	6.51	334.15	41.0	8.15
Jul	282.80	40.0	7.07	303.99	41.7	7.29	260.95	39.9	6.54	334.55	40.7	8.22
Aug	283.60	40.0	7.09	312.28	42.2	7.40	256.71	39.8	6.45	341.04	40.6	8.40
Sep	290.07	40.4	7.18	319.07	42.6	7.49	270.55	40.2	6.73	346.39	40.8	8.49

Year and Month	Food Products			Textile Products			Apparel and Related Products			Printing and Publishing		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$149.48	40.4	$3.70	$113.08	39.4	$2.87	$ 94.24	33.9	$2.78	$170.33	38.8	$4.39
1973	158.36	40.5	3.91	120.43	39.1	3.08	99.71	33.8	2.95	180.81	38.8	4.66
1974	171.68	40.3	4.26	124.74	37.8	3.30	103.02	32.6	3.16	189.52	38.0	4.99
1975	187.80	40.3	4.66	132.42	37.3	3.55	109.20	32.5	3.36	204.58	37.4	5.47
1976	204.22	40.2	5.08	142.12	38.0	3.74	119.55	33.3	3.59	218.82	36.9	5.93
1977	219.89	40.2	5.47	154.37	38.4	4.02	125.95	32.8	3.84	238.52	37.8	6.31
1978	239.95	40.6	5.91	166.12	38.1	4.36	138.28	33.4	4.14	245.95	36.6	6.72
1978 Sep	249.00	41.5	6.00	171.83	38.7	4.44	141.96	33.8	4.20	251.40	36.7	6.85
Oct	246.22	40.9	6.02	169.73	38.4	4.42	140.86	33.3	4.23	248.66	36.3	6.85
Nov	250.69	41.3	6.07	170.37	38.2	4.46	144.33	33.8	4.27	253.31	36.5	6.94
Dec	250.69	41.3	6.07	175.11	39.0	4.49	143.05	33.5	4.27	268.88	37.5	7.17
1979 Jan	243.01	40.1	6.06	174.72	38.4	4.55	140.28	32.7	4.29	254.51	36.1	7.05
Feb	240.34	39.4	6.10	171.00	37.5	4.56	141.57	33.0	4.29	252.74	35.9	7.04
Mar	247.02	40.1	6.16	178.87	38.8	4.61	140.91	33.0	4.27	258.09	36.3	7.11
Apr	242.09	39.3	6.16	173.58	37.9	4.58	137.03	31.5	4.35	245.70	35.1	7.00
May	248.00	40.0	6.20	180.11	38.9	4.63	139.54	32.3	4.32	254.54	35.8	7.11
Jun	248.58	39.9	6.23	182.82	39.4	4.64	143.77	32.9	4.37	256.68	36.0	7.13
Jul	253.49	40.3	6.29	178.31	38.1	4.68	145.25	33.7	4.31	265.27	37.1	7.15
Aug	256.07	40.2	6.37	180.01	38.3	4.70	142.79	32.6	4.38	266.35	37.2	7.16
Sep	255.50	40.3	6.34	182.96	38.6	4.74	146.05	32.6	4.48	269.28	37.4	7.20

TABLES 8 & 9. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA

(1967 = 100)

Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1968	$119.20	40.0	$2.98	105.6	104.2	$114.40	$ 4.80
1969	127.52	40.1	3.18	112.7	109.8	116.14	11.38
1970	131.71	39.2	3.36	119.1	116.3	113.25	18.46
1971	140.73	39.2	3.59	127.3	121.3	116.02	24.71
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col 1 - Col. 5)

TABLE 10. EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS

(Thousands)

Industry	Employment			Weekly Manhours Worked			Weekly Payrolls		
	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Aug. 1978
MANUFACTURING	998.3	988.6	1,000.4	39,881.0	39,276.9	40,566.9	283,470.4	276,456.4	264,087.2
DURABLE GOODS	609.0	597.6	598.7	25,034.6	24,412.2	25,082.4	196,451.6	189,578.6	179,597.2
NONDUR. GOODS	389.3	391.0	401.7	14,846.4	14,864.7	15,484.5	87,018.8	86,877.8	84,490.0

NOTATION

Resident Data are an estimate of WORKERS by place of residence and include wage and salary workers, self-employed and unpaid family workers, domestic workers, agricultural workers and persons involved in labor-management disputes. These data are derived from the National Current Population Survey (CPS) and do not reflect commuting or dual job holding. Consequently, they are not comparable to establishment based Nonagricultural Wage and Salary data.

Establishment Data are estimates of JOBS by place of work.

Labor-management disputes

Persons involved in labor-management disputes are included in RESIDENT employment counts. They are not included in ESTABLISHMENT data nor are they counted as labor turnover actions. Wherever indicated (=), however, they are added to the Nonagricultural Wage and Salary total to show more accurately the number of jobs held. An asterisk (*) denotes a total significantly affected by a labor-management dispute.

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
Industry Group
(Thousands)

Year and Month	Total Manufacturing	Total Durable Goods	Lumber and Wood Products	Furniture and Fixtures	Stone Clay and Glass	Primary Metals	Fabricated Metals	Machinery Except Electrical
1972	1,444.0	841.7	24.7	22.5	65.3	210.7	120.5	131.0
1973	1,480.1	884.7	24.6	23.8	68.3	220.8	126.1	137.2
1974	1,464.5	894.1	22.5	22.6	68.1	226.5	126.6	144.5
1975	1,334.8	813.0	18.7	18.0	60.5	205.5	114.1	141.3
1976	1,335.2	804.5	20.4	18.2	61.4	201.9	111.4	136.4
1977	1,341.5	809.3	21.2	18.9	62.3	199.6	111.3	134.6
1978	1,362.1	825.4	21.7	20.3	64.3	199.5	112.3	137.3
1978 Sep.	1,375.7	835.2	22.5	20.0	65.2	201.0	113.4	139.6
Oct.	1,372.1	832.3	22.5	20.8	64.9	199.6	113.2	139.2
Nov.	1,375.3	836.8	22.0	20.7	64.6	200.3	114.0	138.4
Dec.	1,371.2	837.0	21.4	20.9	63.8	201.4	114.5	138.7
1979 Jan.	1,364.3	835.0	20.8	20.7	62.2	201.7	114.5	140.6
Feb.	1,363.4	837.0	20.8	20.8	61.3	202.1	114.8	140.9
Mar.	1,365.4	837.3	21.1	20.3	62.0	201.7	114.6	140.8
Apr.	1,365.5	836.8	21.7	20.2	62.5	201.6	114.9	141.2
May	1,368.4	841.8	21.8	20.0	63.4	202.2	114.6	140.8
Jun.	1,387.3	854.2	22.1	20.4	65.1	206.8	115.4	141.8
Jul.	1,374.3	849.5	21.7	19.7	64.9	206.5	113.5	140.2
Aug.	1,367.8	839.2	22.0	20.5	64.4	206.8	114.8	137.7
Sep.	1,375.9	848.7	21.7	20.7	63.5	204.7	115.2	140.8

Year and Month	Electrical Equipment and Supplies	Transportation Equipment	Instruments and Related Products	Misc. Manufacturing	Total Nondurable Goods	Food Products	Tobacco Products	Textile Products
1972	133.7	69.0	34.0	30.4	602.3	109.6	7.5	62.9
1973	144.0	73.3	34.8	31.9	595.4	107.3	7.1	62.8
1974	144.7	72.6	36.1	30.0	570.4	104.0	6.6	58.5
1975	126.0	67.6	34.4	27.0	521.8	99.4	5.0	49.9
1976	124.2	67.1	35.5	28.1	530.7	100.2	4.0	50.4
1977	123.0	73.3	37.3	27.8	532.2	98.8	3.6	49.4
1978	124.6	80.6	38.3	26.6	536.7	98.1	4.1	50.6
1978 Sep.	125.7	82.7	37.9	27.2	540.5	99.8	4.2	51.0
Oct.	126.1	81.1	37.3	27.6	539.8	99.3	4.2	51.2
Nov.	125.9	84.4	38.8	27.7	538.5	99.9	4.2	51.2
Dec.	126.1	85.1	38.9	26.2	534.2	99.2	4.1	50.5
1979 Jan.	126.6	83.5	39.2	25.2	529.3	96.8	4.1	49.6
Feb.	126.6	84.6	39.5	25.6	526.4	94.1	4.0	49.1
Mar.	126.5	84.6	39.8	25.9	528.1	95.2	4.0	49.3
Apr.	127.4	81.3	39.9	26.1	528.7	95.6	3.9	49.1
May	127.6	85.5	39.9	26.0	526.6	94.6	3.9	49.2
Jun.	128.3	87.2	40.4	26.7	533.1	96.4	3.9	49.2
Jul.	129.3	87.2	40.0	26.5	524.8	96.5	3.8	47.8
Aug.	120.4	86.3	39.3	27.0	528.6	98.6	3.7	48.8
Sep.	129.4	87.0	38.9	26.8	527.2	99.1	3.6	48.5

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA (concl.)

Industry Group
(Thousands)

Year and Month	Apparel and Related		Paper Products	Printing and Publishing	Chemical Products	Petroleum Refining & Related	Rubber and Plastic	Leather Products
	Total	Women's & Children's Outerwear						
1972	162.6	66.0	44.9	71.8	59.4	19.8	38.7	25.1
1973	158.0	65.5	45.4	72.2	58.8	19.1	41.0	23.7
1974	148.2	63.0	44.4	69.8	58.6	18.2	40.9	21.3
1975	132.7	58.1	39.9	68.4	55.5	16.4	34.8	19.8
1976	137.2	60.2	42.4	67.6	56.7	16.4	34.9	21.0
1977	134.0	60.0	43.0	69.8	59.0	16.8	38.0	19.9
1978	133.0	59.8	44.5	70.6	60.0	17.0	39.8	19.0
1978 Sep.	134.0	60.4	45.3	69.6	60.1	17.0	40.4	18.6
Oct.	133.3	60.5	45.7	69.6	60.3	17.1	40.8	18.3
Nov.	132.5	60.0	44.7	69.8	60.0	16.9	40.9	18.4
Dec.	128.4	58.4	45.0	71.1	60.5	16.6	40.7	18.1
1979 Jan.	127.6	58.9	44.6	70.8	60.6	16.6	40.5	18.1
Feb.	129.6	59.2	44.1	70.4	60.1	16.5	40.6	17.9
Mar.	128.9	59.4	44.3	70.8	60.8	16.6	40.7	17.5
Apr.	129.3	58.8	44.8	70.8	60.9	16.9	40.4	17.0
May	127.8	57.4	44.3	70.9	61.1	17.1	40.5	17.2
Jun.	128.8	58.5	45.2	71.3	62.1	17.6	41.2	17.4
Jul.	123.6	55.6	45.2	71.0	62.3	17.6	40.9	16.1
Aug.	123.2	54.3	46.1	70.8	62.1	17.7	40.7	16.9
Sep.	123.5	55.2	45.8	70.5	61.4	17.3	40.8	16.7

TABLE 12. SELECTED PENNSYLVANIA INDICES

(Not Adjusted)
1967 = 100

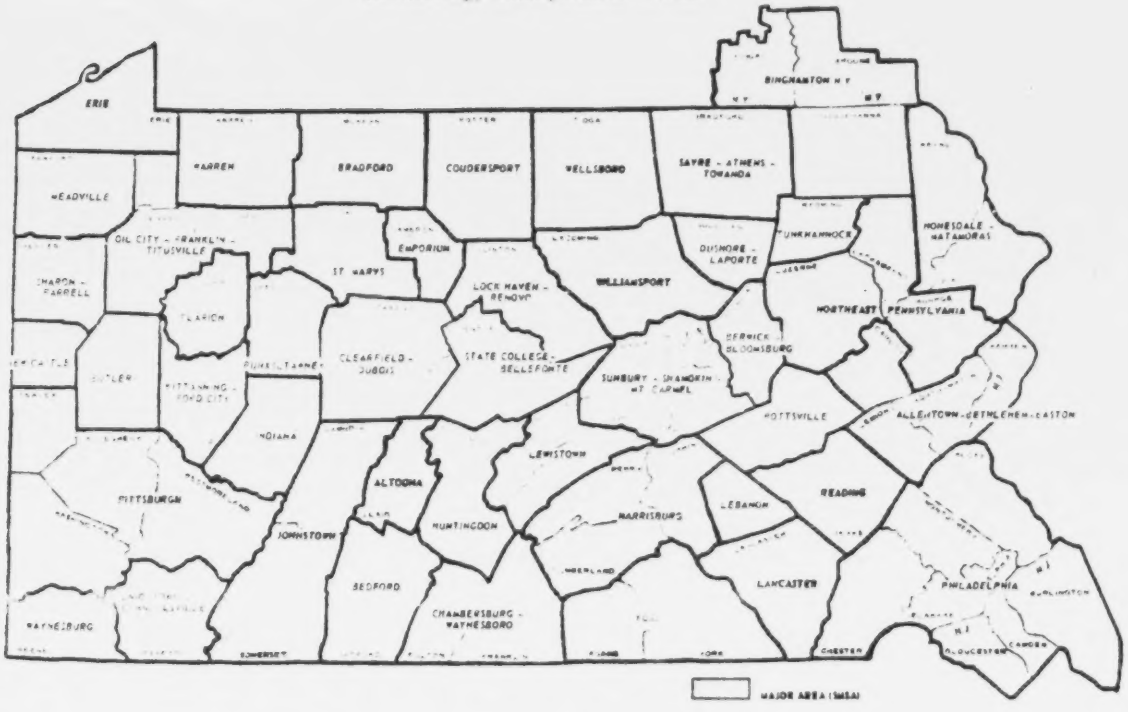
Industry Group	1979		1978	1977	ANNUAL AVERAGE	
	Sept.	Aug.	Sept.	Sept.	1978	1977
EMPLOYMENT						
All Manufacturing	88.4	87.9	88.3	86.7	87.5	86.2
Primary Metals	79.9	80.7	78.4	77.1	77.8	77.9
Apparel	68.8	68.6	74.6	74.8	74.1	74.6
All Nonmanufacturing	127.0	127.2	127.6	124.8	126.7	123.5
Construction	112.7	113.4	119.2	112.2	107.6	101.3
Retail Trade	127.2	126.5	130.0	126.0	129.3	124.8
Services	150.1	148.7	145.8	142.1	144.9	140.8
Government	118.9	121.7	123.4	123.4	126.6	125.4

Labor Market Areas of Pennsylvania

Pennsylvania consists of forty-five labor market areas, twelve of which are major or Standard Metropolitan Statistical Areas. Area names are based on major towns or cities in the areas.

This section provides a very limited presentation of data for selected labor market areas in Pennsylvania. More detailed information is available in Labor Market Letters published monthly in major labor market areas and for selected months in smaller labor market areas. These publications can be obtained from local employment security offices or by addressing requests to

Office of Employment Security
Research and Statistics Division
Labor Market Information Section
Labor and Industry Building-Room 1225
Harrisburg, Pennsylvania 17121



GEOGRAPHIC DESCRIPTION OF MAJOR LABOR MARKET AREAS

ALLENTOWN – BETHLEHEM – EASTON	Carbon, Lehigh, and Northampton Counties in Pennsylvania: Warren County in New Jersey
ALTOONA	Blair County
ERIE	Erie County
HARRISBURG	Cumberland, Dauphin, and Perry Counties
JOHNSTOWN	Cambria and Somerset Counties
LANCASTER	Lancaster County
NORTHEAST	Lackawanna (Scranton Area), Luzerne (Wilkes-Barre Area), and Monroe Counties
PHILADELPHIA	Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties in Pennsylvania: Burlington, Camden, and Gloucester Counties in New Jersey
PITTSBURGH	Allegheny, Beaver, Washington, and Westmoreland Counties
READING	Berks County
WILLIAMSPORT	Lycoming County
YORK	Adams and York Counties

TABLE 13. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRIES MAJOR LABOR MARKET AREAS

(Per 100 Employees)

AUGUST 1979

Major Labor Market Area	Employment (Thousands)	Accession Rates: Total			New Hires			Recalls		
		Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978
PENNSYLVANIA	1,367.8	3.4	3.2	3.3	2.1	1.8	2.1	1.0	1.1	0.9
ALLENTOWN-BETHLEHEM-EASTON	110.7	2.6	3.3	3.0	1.6	1.7	2.0	0.8	1.4	0.9
ALTOONA	13.1	1.9	1.5	4.2	1.2	1.0	1.5	0.5	0.4	2.5
ERIE	45.2	3.4	4.0	4.9	1.6	1.5	2.7	1.3	2.2	1.8
HARRISBURG	44.1	4.7	5.3	3.9	3.9	3.3	3.0	0.7	1.6	0.7
JOHNSTOWN	20.8	2.7	2.8	3.8	0.9	1.2	1.2	1.6	1.5	2.5
LANCASTER	60.3	3.7	3.0	3.9	3.2	2.3	3.3	0.3	0.5	0.4
NORTHEAST	70.1	5.2	4.6	4.7	2.2	1.5	1.9	2.7	2.7	2.4
SCRANTON	28.1	5.5	4.8	5.1	2.3	1.2	1.9	3.1	3.5	3.2
WILKES-BARRE-HAZLETON	37.3	3.4	3.9	3.9	1.8	1.3	1.9	1.4	1.9	1.6
PHILADELPHIA	452.1	3.4	3.2	3.2	2.3	2.0	2.1	0.9	1.0	0.8
PITTSBURGH	248.4	2.3	2.6	2.3	1.3	1.6	1.4	0.6	0.7	0.6
READING	53.6	4.5	4.8	4.1	2.7	2.0	3.1	1.8	2.7	0.9
WILLIAMSPORT	18.0	2.3	1.7	3.2	0.7	0.5	2.6	0.8	1.1	0.5
YORK	65.4	4.2	4.2	6.2	3.1	2.4	3.9	1.0	1.6	2.1

Major Labor Market Area	Employment (Thousands)	Separation Rates: Total			Quits			Layoffs		
		Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978
PENNSYLVANIA	1,367.8	4.1	3.3	3.5	2.2	1.1	1.9	1.1	1.6	0.8
ALLENTOWN-BETHLEHEM-EASTON	110.7	3.0	3.3	3.2	1.5	0.8	1.9	0.9	2.0	0.9
ALTOONA	13.1	3.5	3.7	3.5	1.4	0.7	1.6	1.8	2.6	1.3
ERIE	45.2	2.9	3.7	3.3	1.4	0.9	1.9	0.7	1.3	0.3
HARRISBURG	44.1	4.9	2.6	4.1	3.3	1.5	2.5	0.9	0.6	0.9
JOHNSTOWN	20.8	3.0	3.3	3.1	1.2	0.8	1.3	1.0	1.4	1.1
LANCASTER	60.3	5.8	3.1	4.8	4.1	2.0	3.4	1.1	0.6	0.4
NORTHEAST	70.1	5.4	5.7	3.8	2.4	1.1	2.0	2.5	4.0	1.1
SCRANTON	28.1	3.8	4.9	2.9	2.0	0.8	1.8	1.5	3.8	0.6
WILKES-BARRE-HAZLETON	37.3	5.4	6.2	3.6	2.2	1.1	1.8	2.7	4.3	1.2
PHILADELPHIA	452.1	4.1	3.0	3.8	2.1	1.1	1.8	0.9	1.2	1.1
PITTSBURGH	248.4	3.6	2.6	3.1	1.8	0.6	1.5	1.0	1.1	0.8
READING	53.6	4.1	5.4	3.6	2.5	1.4	2.4	0.7	3.4	0.4
WILLIAMSPORT	18.0	3.3	3.9	3.3	1.3	0.7	1.6	1.4	2.9	1.3
YORK	65.4	4.4	3.7	6.2	3.3	1.7	3.7	0.5	1.4	1.6

TABLE 14. AVERAGE GROSS EARNINGS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS IN MAJOR LABOR MARKET AREAS

Major Labor Market Area	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978
PENNSYLVANIA	$283.69	$279.49	$263.66	39.9	39.7	40.5	$7.11	$7.04	$6.51
ALLENTOWN-BETHLEHEM-EASTON	285.29	284.16	259.96	38.5	38.4	38.8	7.41	7.40	6.70
ALTOONA	243.32	239.90	218.50	39.5	39.2	38.4	6.16	6.12	5.69
ERIE	295.78	287.16	272.84	41.6	41.2	42.3	7.11	6.97	6.45
HARRISBURG	264.38	264.55	236.56	40.8	40.7	40.3	6.48	6.50	5.87
JOHNSTOWN	294.88	303.03	278.10	38.0	38.8	39.9	7.76	7.81	6.97
LANCASTER	249.29	244.41	231.58	40.8	40.6	40.7	6.11	6.02	5.69
NORTHEAST	203.13	200.34	189.24	37.0	37.1	37.4	5.49	5.40	5.06
SCRANTON	208.05	203.18	202.98	38.6	38.7	39.8	5.39	5.25	5.10
WILKES-BARRE-HAZLETON	197.94	196.90	178.71	35.6	35.8	35.6	5.56	5.50	5.02
PHILADELPHIA	285.73	281.90	269.33	40.3	40.1	40.5	7.09	7.03	6.65
PITTSBURGH	356.65	350.21	327.81	40.9	40.3	41.6	8.72	8.69	7.88
READING	252.83	250.10	230.68	38.6	38.3	38.9	6.55	6.53	5.93
WILLIAMSPORT	252.01	247.74	230.08	39.5	39.2	39.6	6.38	6.32	5.81
YORK	263.55	261.46	245.44	41.9	41.7	42.1	6.29	6.27	5.83

TABLE 15. RESIDENT EMPLOYMENT AND UNEMPLOYMENT MAJOR LABOR MARKET AREAS

Area	Rate of Unemployment					
	Sept. 1979		Aug. 1979		Sept. 1978	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
UNITED STATES	5.6	5.8	5.9	6.0	5.7	5.9
PENNSYLVANIA	6.7	7.1	7.0	7.3	7.1	7.4
ALLENTOWN-BETH-EASTON	5.9	6.3	6.9	7.0	5.8	6.2
ALTOONA	8.9	9.4	8.5	9.5	7.9	8.4
ERIE	6.8	7.4	6.9	7.7	7.0	7.7
HARRISBURG	5.0	5.2	5.0	5.2	5.1	5.3
JOHNSTOWN	8.4	8.2	9.5	8.7	8.9	8.7
LANCASTER	4.8	5.3	4.6	5.0	4.5	5.0
NORTHEAST	8.5	9.1	8.8	9.5	8.1	8.6
SCRANTON	7.8	8.4	8.4	9.2	7.5	8.1
W BARRE-HAZLETON	9.2	9.6	9.3	9.8	8.7	9.1
PHILADELPHIA	7.0	6.9	7.4	7.3	8.1	8.0
PITTSBURGH	5.7	6.1	5.9	6.4	6.0	6.4
POTTSVILLE	9.5	-	8.7	-	7.2	-
READING	5.3	5.8	5.5	5.7	5.6	6.2
UNIONTOWN-CONNELLSVLE	8.2	-	8.7	-	7.3	-
WILLIAMSPORT	9.3	10.7	9.3	11.5	7.5	8.6
YORK	4.7	5.2	5.1	5.2	4.9	5.4

(Thousands)

Area	Total Civilian Labor Force			Total Employment			Total Unemployment		
	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978
UNITED STATES	103,373.0	104,363.0	100,838.0	97,576.0	98,226.0	95,041.0	5,798.0	6,137.0	5,797.0
PENNSYLVANIA	5,301.0	5,350.0	5,257.0	4,944.0	4,977.0	4,885.0	357.0	373.0	372.0
ALLENTOWN-BETH-EASTON	297.7	302.6	292.4	280.2	281.6	275.4	17.5	20.9	17.0
ALTOONA	59.0	58.8	56.5	53.7	53.8	52.0	5.2	5.0	4.5
ERIE	126.2	127.6	123.7	117.7	118.8	115.0	8.5	8.8	8.7
HARRISBURG	217.7	220.9	214.9	206.9	209.8	204.0	10.8	11.1	10.9
JOHNSTOWN	108.9	111.6	106.5	99.7	100.9	96.9	9.1	10.6	9.5
LANCASTER	175.8	177.9	170.3	167.4	169.6	162.6	8.4	8.3	7.7
NORTHEAST	279.3	285.2	276.4	255.6	260.0	254.0	23.7	25.1	22.3
SCRANTON	102.5	104.9	101.5	94.5	96.1	93.9	8.0	8.8	7.6
W BARRE-HAZLETON	151.5	154.4	149.8	137.6	140.1	136.8	13.9	14.3	13.0
PHILADELPHIA	2,111.1	2,115.9	2,086.7	1,964.1	1,960.1	1,917.6	147.0	155.9	169.1
PITTSBURGH	1,010.3	1,017.1	988.9	952.7	957.3	929.6	57.6	59.9	59.2
POTTSVILLE	66.1	66.3	66.6	59.8	60.5	61.8	6.2	5.8	4.8
READING	154.0	153.1	146.8	145.9	144.7	138.6	8.2	8.4	8.3
UNIONTOWN-CONNELLSVLE	57.7	59.7	59.2	52.9	54.5	54.8	4.7	5.2	4.3
WILLIAMSPORT	55.6	55.7	53.2	50.4	50.2	49.2	5.2	5.5	4.0
YORK	170.1	170.4	166.1	162.0	161.7	158.0	8.0	8.8	8.2

TABLE 16. EMPLOYMENT IN MAJOR LABOR MARKET AREAS
ESTABLISHMENT DATA (Number of Jobs)
(Thousands)

STATE and AREA data include persons involved in labor management disputes; not included in U.S. data.

Area	Nonagricultural Wage and Salary			Private Sector *		
	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978
UNITED STATES	90,264.0	89,633.0	87,483.0	74,967.0	74,732.0	72,351.0
PENNSYLVANIA	4,698.7	4,708.7	4,716.8	4,017.1	3,998.0	4,008.5
ALLENTOWN-BETHLEHEM-EASTON	259.8	260.9	260.4	231.0	231.6	230.5
ALTOONA	52.6	52.4	52.2	45.6	45.4	45.2
ERIE	116.6	117.4	116.8	102.7	102.7	100.8
HARRISBURG	215.0	217.1	217.2	159.1	161.4	161.7
JOHNSTOWN	89.9	90.2	89.3	73.8	74.5	74.5
LANCASTER	149.1	149.8	148.1	135.1	136.2	133.8
NORTHEAST	238.1	241.4	242.6	199.4	201.2	205.3
SCRANTON	86.4	86.9	87.2	73.9	74.1	75.5
WILKES-BARRE-HAZLETON	122.2	124.3	126.1	103.5	104.1	108.4
PHILADELPHIA	1,884.4	1,884.2	1,879.0	1,595.0	1,582.0	1,586.2
PITTSBURGH	948.3	949.3	948.7	830.3	822.5	827.9
POTTSVILLE	47.3	47.7	50.2	39.3	39.7	42.3
READING	140.7	138.5	136.8	122.9	122.8	120.1
UNIONTOWN-CONNELLSVILLE	35.9	36.9	38.0	29.2	29.7	31.2
WILLIAMSPORT	49.9	49.8	50.2	42.9	43.1	43.2
YORK	153.5	152.5	153.3	135.0	134.6	134.8

Area	Manufacturing			Nonmanufacturing		
	Sept. 1979	Aug. 1979	Sept. 1978	Sept. 1979	Aug. 1979	Sept. 1978
UNITED STATES	21,231.0	21,006.0	20,821.0	69,033.0	68,627.0	66,662.0
PENNSYLVANIA	1,375.9	1,367.8	1,375.7	3,315.6	3,320.3	3,332.9
ALLENTOWN-BETHLEHEM-EASTON	110.5	110.7	109.9	149.1	149.8	150.4
ALTOONA	13.2	13.1	12.9	39.4	39.3	39.3
ERIE	45.4	45.2	43.5	71.1	72.2	72.0
HARRISBURG	43.0	44.1	42.5	171.3	172.7	174.7
JOHNSTOWN	20.0	20.8	20.9	69.9	69.4	68.3
LANCASTER	59.5	60.3	59.5	89.6	89.4	88.6
NORTHEAST	69.6	70.1	73.1	167.3	170.3	169.4
SCRANTON	27.8	28.1	28.6	57.7	58.1	58.5
WILKES-BARRE-HAZLETON	37.2	37.3	40.2	84.8	86.8	85.9
PHILADELPHIA	455.7	452.1	450.0	1,428.2	1,428.7	1,426.8
PITTSBURGH	255.3	248.4	252.5	689.9	689.2	693.8
POTTSVILLE	20.3	20.2	21.7	26.8	27.3	28.5
READING	53.8	53.6	53.3	86.7	84.7	83.5
UNIONTOWN-CONNELLSVILLE	8.3	8.4	8.5	27.6	28.5	29.5
WILLIAMSPORT	17.9	18.0	18.6	32.0	31.8	31.6
YORK	65.3	65.4	65.0	88.1	86.9	87.9

* Excludes Government employment

TABLE 17. LABOR TURNOVER RATES IN PENNSYLVANIA
NONDURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	Nondurable Goods						Food & Kindred						Textiles						Apparel					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	4.3	3.2		4.4	2.4	1.3	5.1	3.4		5.4	2.6	1.9	5.1	4.3		5.2	3.6	0.7	4.8	3.0		5.1	2.4	1.9
1974	4.2	2.7		4.9	2.1	2.1	5.2	3.3		5.8	2.6	2.5	4.5	3.6		5.5	3.1	1.7	5.2	2.5		6.6	2.1	3.8
1975	4.1	1.8		4.4	1.3	2.5	4.6	2.3		4.9	1.5	2.7	4.5	2.3		5.1	1.6	2.8	5.6	2.3		5.6	1.5	3.5
1976	3.9	2.2	1.4	4.1	1.4	2.0	4.6	2.3	2.0	4.9	1.4	2.8	4.5	3.0	1.2	4.8	2.2	1.9	4.8	2.5	2.0	5.5	1.7	2.9
1977	3.9	2.3	1.4	3.9	1.5	1.8	4.9	2.4	2.2	5.0	1.6	2.8	4.3	3.0	1.1	4.6	2.2	1.8	5.1	2.6	2.2	5.1	1.8	2.6
1978	3.6	2.4	1.0	3.6	1.7	1.3	4.1	2.5	1.4	4.3	1.8	1.9	4.5	3.5	0.8	4.2	2.6	0.9	4.3	2.7	1.3	4.6	2.0	1.8
Aug.	4.4	2.9	1.2	4.8	2.8	1.2	5.2	3.3	1.5	3.9	2.3	1.0	4.8	4.0	0.6	5.1	3.6	0.5	5.2	3.1	1.7	5.5	3.2	1.3
Sep.	3.9	3.0	0.7	4.3	2.7	1.0	4.8	3.4	1.2	4.6	2.7	1.2	4.6	4.1	0.3	5.4	3.9	0.8	4.6	3.3	1.0	5.0	3.0	1.1
Oct.	3.9	2.9	0.8	3.9	2.0	1.3	5.2	3.4	1.6	5.2	2.4	2.1	5.0	4.4	0.4	4.5	3.1	0.8	4.1	3.0	0.8	4.8	2.3	1.8
Nov.	3.0	2.1	0.7	3.6	1.5	1.5	4.0	2.8	0.9	4.2	1.9	1.7	3.4	2.8	0.5	4.0	2.2	1.2	3.4	2.2	0.9	4.7	1.7	2.2
Dec.	2.2	1.4	0.7	3.5	1.2	1.6	2.6	1.9	0.6	4.8	1.5	2.5	2.5	1.7	0.7	3.5	1.6	1.3	2.0	1.2	0.7	4.8	1.2	2.8
1979																								
Jan.	4.0	2.2	1.6	3.9	1.5	1.7	3.6	2.0	1.4	5.2	1.6	3.0	4.1	3.2	0.7	4.3	2.5	1.2	6.7	2.6	3.8	4.9	1.8	2.3
Feb.	3.1	1.9	1.1	2.9	1.3	1.0	3.1	1.5	1.4	3.5	1.5	1.5	3.0	2.1	0.8	3.4	2.2	0.6	4.9	2.7	1.9	3.9	1.6	1.8
Mar.	3.8	2.3	1.3	3.7	1.6	1.3	3.5	2.0	1.4	3.5	1.5	1.4	3.6	2.5	0.9	3.9	2.3	0.9	4.8	2.8	1.8	5.4	2.0	2.4
Apr.	3.6	2.1	1.1	3.5	1.5	1.3	4.3	2.5	1.6	4.1	1.6	2.0	3.6	2.6	0.8	4.1	2.4	1.1	4.3	2.2	1.7	4.5	1.8	1.8
May	4.1	2.7	1.1	3.7	1.7	1.4	5.0	3.4	1.3	4.7	1.9	2.1	4.1	3.3	0.6	4.0	2.6	0.9	4.9	2.5	2.0	5.2	1.9	2.6
Jun.	4.3	3.0	1.0	3.6	1.7	1.3	5.1	3.6	1.2	4.4	2.0	1.7	4.3	3.6	0.5	4.0	2.5	0.8	4.7	2.5	1.8	5.1	2.0	2.2
Jul.	4.0	2.2	1.6	4.3	1.6	2.1	5.8	3.0	2.6	4.3	1.9	1.8	4.8	2.6	2.0	6.5	2.3	3.4	4.8	2.1	2.4	6.7	1.9	3.9
Aug.	4.2	2.6	1.2	4.9	2.8	1.3	5.5	3.6	1.4	4.7	2.0	2.3	4.3	3.2	1.0	5.9	3.6	1.6	5.2	2.4	2.3	6.1	2.7	2.6

Year & Month	Paper & Allied Products						Printing & Publishing						Chemicals						Petroleum & Coal Products					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	3.1	2.6		3.0	1.7	0.6	2.8	2.2		2.9	1.6	0.8	2.5	1.8		2.4	1.2	0.6	1.6	1.3		2.0	0.7	0.4
1974	2.7	2.0		3.5	1.6	1.3	2.4	1.9		2.6	1.4	0.7	2.2	1.6		2.3	1.0	0.7	1.4	1.1		1.4	0.6	0.3
1975	3.4	1.0		3.7	0.7	2.5	2.0	1.1		2.5	0.8	1.3	2.2	0.9		2.4	0.5	1.4	1.1	0.8		1.1	0.3	0.3
1976	2.5	1.5	0.9	2.4	0.8	1.1	2.3	1.5	0.6	2.3	0.9	0.9	2.1	1.2	0.7	1.9	0.6	0.8	1.5	1.0	0.2	1.6	0.4	0.3
1977	2.6	1.5	0.9	2.7	0.9	1.3	2.2	1.5	0.6	2.1	1.0	0.7	2.0	1.3	0.6	2.0	0.7	0.6	1.4	1.1	0.1	1.5	0.5	0.3
1978	2.7	1.7	0.8	2.6	1.1	0.9	2.5	1.8	0.6	2.4	1.2	0.8	2.0	1.4	0.5	1.8	0.7	0.5	1.4	1.1	0.2	1.5	0.5	0.4
Aug.	3.0	2.0	0.8	3.9	2.4	0.7	2.3	1.8	0.4	4.8	1.9	2.1	2.0	1.5	0.4	3.2	1.8	0.7	0.9	0.8	0.1	2.9	1.3	0.7
Sep.	2.8	2.4	0.2	4.1	2.3	1.2	2.7	2.3	0.3	2.5	1.7	0.3	1.7	1.3	0.3	2.2	1.2	0.5	1.4	1.1	0.1	2.4	1.4	0.5
Oct.	2.3	1.9	0.3	2.9	1.3	1.1	2.7	2.2	0.4	2.4	1.4	0.7	2.0	1.6	0.3	1.8	0.7	0.7	1.1	1.0	0.1	1.5	0.5	0.5
Nov.	1.3	1.3	0.5	3.3	0.8	2.0	2.5	1.6	0.8	2.3	1.2	0.8	1.4	1.0	0.3	1.4	0.6	0.4	0.7	0.5	N	1.5	0.3	0.7
Dec.	2.3	1.0	1.1	2.4	0.7	1.2	2.1	1.3	0.7	1.9	1.1	0.5	1.2	0.9	0.2	1.3	0.5	0.3	0.6	0.4	N	1.8	0.3	0.8
1979																								
Jan.	2.5	1.2	1.1	3.4	0.9	1.8	2.8	2.2	0.6	2.9	1.2	1.1	1.6	1.2	0.3	1.7	0.6	0.5	1.0	0.7	0.2	1.1	0.3	0.5
Feb.	2.0	1.1	0.8	1.9	0.8	0.6	2.4	1.6	0.7	1.9	1.1	0.5	1.5	1.2	0.3	1.4	0.5	0.3	1.0	0.6	0.3	1.2	0.4	0.4
Mar.	2.4	1.4	0.8	1.9	1.0	0.4	2.7	1.7	1.0	2.0	1.1	0.6	2.1	1.6	0.4	1.4	0.7	0.3	1.2	0.9	0.2	0.7	0.3	0.4
Apr.	2.6	1.6	0.8	2.5	1.2	0.8	2.4	1.8	0.5	2.3	1.2	0.8	1.6	1.1	0.3	1.2	0.6	0.4	2.0	1.1	0.8	1.2	0.5	0.4
May	3.8	2.6	0.9	2.5	1.2	0.8	2.7	2.2	0.5	2.4	1.3	0.7	2.2	1.7	0.4	1.3	0.6	0.3	2.4	1.6	0.4	1.0	0.4	0.4
Jun.	4.1	3.2	0.7	2.0	1.1	0.5	3.3	2.6	0.6	2.4	1.3	0.8	3.0	2.4	0.4	1.5	0.7	0.4	2.8	2.6	0.1	1.2	0.2	0.3
Jul.	4.3	2.6	1.6	3.6	1.2	1.7	2.4	1.7	0.6	2.1	1.2	0.6	1.6	1.2	0.3	1.4	0.7	0.4	2.7	2.3	0.2	1.1	0.4	0.4
Aug.	3.5	2.6	0.4	4.5	2.7	0.9	2.4	1.8	0.5	3.2	2.2	0.5	1.9	1.6	0.3	2.8	1.9	0.4	1.5	0.3	0.1	3.3	2.1	0.7

Year & Month	Rubber & Plastics						Leather Goods					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	5.0	3.9		4.8	2.7	0.9	7.5	6.3		7.9	5.7	1.3
1974	4.4	3.0		5.2	2.3	1.8	7.1	5.6		8.6	5.1	2.6
1975	3.7	1.1		4.9	0.9	3.1	6.8	5.1		7.0	3.5	2.6
1976	4.1	2.2	1.6	3.7	1.3	1.5	6.4	4.7	1.4	7.2	3.9	2.4
1977	3.5	2.3	1.0	3.6	1.4	1.3	6.6	4.9	1.3	6.8	4.1	1.8
1978	3.3	2.2	0.8	3.2	1.5	1.0	7.0	5.0	1.5	8.0	4.8	2.4
Aug.	3.7	2.6	0.9	4.2	2.8	0.5	11.2	6.3	4.5	12.4	7.4	4.0
Sep.	3.6	2.4	0.7	4.5	2.6	1.1	8.5	6.7	1.3	10.3	6.8	2.5
Oct.	4.5	3.0	1.2	3.1	1.6	0.8	6.7	4.9	1.5	8.4	5.2	2.3
Nov.	2.9	2.0	0.6	3.0	1.3	1.1	5.8	4.2	1.1	7.5	4.2	2.5
Dec.	1.9	1.3	0.5	2.3	1.0	1.0	4.5	2.7	1.5	7.0	3.5	2.7
1979												
Jan.	3.8	2.6	1.0	2.7	1.2	0.8	7.7	4.8	2.2	6.5	3.7	2.1
Feb.	3.0	2.0	0.8	2.7	1.2	0.9	4.4	3.4	0.5	5.4	3.2	1.5
Mar.	3.1	2.2	0.6	3.5	1.5	1.1	6.8	4.7	1.5	8.3	4.5	2.8
Apr.	3.8	2.2	1.4	3.4	1.2	1.4	6.7	4.9	1.5	8.2	4.7	2.5
May	4.8	3.2	1.2	3.2	1.5	0.8	7.9	5.8	1.5	8.2	5.4	1.4
Jun.	4.5	3.4	0.7	2.9	1.2	1.0	7.8	5.7	1.5	7.3	4.5	2.1
Jul.	3.1	2.0	0.8	3.2	1.4	1.0	5.5	4.0	1.0	9.9	4.5	4.9
Aug.	4.1	3.0	0.8	5.8	3.3	1.5	10.2	6.1	3.4	10.2	6.8	3.6

N - Negligible

TABLE 18. LABOR TURNOVER RATES IN PENNSYLVANIA
DURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	All Manufacturing						Durable Goods						Furniture & Fixtures						Stone, Clay & Glass					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	3.7	2.7		3.5	1.8	0.9	3.3	2.4		3.0	1.5	0.7	6.4	5.2		6.6	4.2	1.4	4.1	2.4		3.8	1.6	1.5
1974	3.4	2.2		3.9	1.6	1.6	2.9	1.9		3.2	1.2	1.3	5.0	3.5		7.0	2.9	3.0	3.6	2.0		4.6	1.4	2.5
1975	3.3	1.4		3.9	0.8	2.3	2.8	0.9		3.7	0.6	2.5	5.8	2.0		6.1	1.2	[illegible]	3.9	1.0		4.6	0.7	3.3
1976	3.3	1.5	1.5	3.5	0.9	1.9	2.9	1.0	1.6	3.1	0.6	1.8	5.1	2.8	2.0	5.2	1.8	2.5	3.7	1.3	2.3	3.5	0.7	2.2
1977	3.4	1.7	1.5	3.5	1.0	1.8	3.1	1.3	1.6	3.2	0.7	1.8	6.4	3.8	2.4	5.6	2.1	2.5	3.9	1.4	2.4	3.6	0.8	2.2
1978	3.0	1.8	0.9	2.9	1.2	1.1	2.6	1.5	0.9	2.4	0.8	0.9	4.8	4.0	0.6	4.7	2.7	1.0	2.7	1.6	1.0	2.8	0.9	1.2
Aug	3.3	2.1	0.9	3.5	1.3	0.8	2.7	1.7	0.7	2.7	1.4	0.6	6.3	5.2	1.4	6.9	4.5	1.0	2.9	2.0	0.7	3.7	2.0	0.7
Sep	3.2	2.3	0.7	3.4	1.9	0.8	2.6	1.8	0.6	2.7	1.3	0.7	5.7	5.1	0.4	5.0	3.3	0.5	2.8	2.0	0.5	3.3	1.5	1.3
Oct	3.1	2.2	0.7	3.0	1.3	1.0	2.7	1.8	0.6	2.3	0.9	0.7	5.6	5.0	0.4	5.4	3.2	0.9	2.3	1.6	0.6	2.6	0.8	1.2
Nov	2.3	1.5	0.6	2.7	1.0	1.1	2.0	1.2	0.6	2.1	0.6	0.9	3.9	3.4	0.3	4.1	2.3	0.3	1.8	1.0	0.5	2.5	0.7	0.9
Dec	1.9	1.1	0.6	2.7	0.8	1.3	1.6	0.7	0.5	2.1	0.5	1.0	2.8	2.5	0.2	3.3	1.9	0.5	1.7	0.7	0.8	3.6	0.5	2.2
1979																								
Jan	3.3	1.9	1.2	3.1	1.0	1.4	2.8	1.6	0.9	2.7	0.7	1.1	4.0	3.4	0.5	5.0	2.1	1.3	2.1	0.9	1.1	4.1	0.7	2.8
Feb	2.6	1.6	0.9	2.5	0.9	0.9	2.4	1.4	0.8	2.3	0.7	1.5	3.7	2.3	1.5	4.2	1.6	1.5	2.6	0.8	1.6	2.4	0.5	1.2
Mar	3.1	1.8	1.0	2.9	1.1	1.0	2.6	1.5	0.9	2.3	0.8	0.8	4.1	3.5	0.3	5.7	2.4	1.9	3.8	1.0	2.7	2.6	0.7	1.4
Apr	2.9	1.7	0.9	2.8	1.1	1.0	2.5	1.5	0.8	2.3	0.8	0.6	4.2	3.1	0.6	6.0	2.0	2.9	3.8	1.7	2.0	2.4	0.7	1.2
May	3.6	2.3	1.0	2.8	1.2	0.9	3.2	2.0	0.9	2.2	0.9	0.6	7.8	4.3	3.3	6.9	2.2	3.2	3.8	2.3	1.3	1.9	0.8	0.6
Jun	3.6	2.6	0.7	2.8	1.2	1.0	3.1	2.3	0.6	2.3	0.9	0.8	6.5	3.8	2.4	4.6	2.4	0.8	3.6	2.6	0.7	2.3	0.8	1.0
Jul	3.2	1.8	1.1	3.3	1.1	1.6	2.7	1.6	0.7	2.7	0.8	1.2	6.6	3.5	3.0	7.5	2.0	4.5	2.7	1.7	0.9	2.4	0.8	1.1
Aug	3.4	2.1	1.0	4.1	2.2	1.1	2.7	1.8	0.9	3.6	1.8	1.0	6.8	4.9	1.6	6.7	4.4	0.6	3.1	1.7	1.2	3.5	2.2	1.0

Year & Month	Primary Metals						Fabricated Metals						Machinery except Electrical						Electric & Electronic Equipment					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	2.4	1.8		2.1	1.0	0.4	4.0	2.9		3.8	1.7	1.2	2.8	2.3		2.1	1.2	0.3	3.2	2.4		3.0	1.5	0.6
1974	2.3	1.5		2.3	0.9	0.8	3.7	2.4		4.1	1.4	1.8	2.6	2.1		2.3	1.2	0.4	2.2	1.4		2.9	1.1	1.1
1975	3.0	0.5		4.3	0.3	3.3	2.8	1.1		3.8	0.6	2.5	1.7	0.9		2.7	0.6	1.5	1.6	0.4		2.8	0.4	1.8
1976	3.3	0.6	2.4	3.3	0.4	2.2	2.7	1.1	1.5	3.5	0.6	2.2	2.4	0.9	1.4	2.8	0.6	1.7	2.1	1.0	0.7	2.2	0.6	0.9
1977	2.9	0.8	1.8	3.2	0.4	2.0	3.3	1.3	1.8	3.4	0.7	2.1	3.2	1.0	2.0	3.5	0.6	2.3	2.5	1.2	0.8	2.6	0.7	1.2
1978	2.5	1.1	1.2	2.4	0.5	1.1	3.1	1.6	1.2	3.0	0.9	1.3	2.1	1.4	0.5	1.6	0.7	0.4	2.3	1.3	0.7	2.3	0.8	0.8
Aug	2.0	1.2	0.6	3.1	1.5	0.8	3.7	2.1	1.3	3.2	1.6	0.8	2.0	1.6	0.3	1.9	1.1	0.2	2.8	1.5	0.9	2.5	1.3	0.5
Sep	2.0	1.1	0.7	2.6	1.2	0.7	3.1	2.2	0.7	3.2	1.5	1.0	1.8	1.5	0.2	1.8	1.0	0.3	2.5	1.5	0.7	2.6	1.3	0.5
Oct	2.0	1.0	0.7	2.2	0.5	1.0	3.3	2.5	0.6	2.9	1.0	1.0	2.0	1.7	0.2	1.5	0.8	0.3	2.6	1.7	0.6	2.2	0.8	0.6
Nov	1.7	0.7	0.8	1.6	0.4	0.7	2.6	1.4	0.9	3.0	0.8	1.7	1.6	1.3	0.2	1.4	0.6	0.4	2.0	1.1	0.6	1.9	0.7	0.7
Dec	1.6	0.5	0.8	1.9	0.3	1.0	1.9	1.0	0.7	2.3	0.6	1.2	1.4	1.1	0.2	1.4	0.6	0.4	1.6	0.8	0.5	1.7	0.5	0.6
1979																								
Jan	3.0	1.3	1.4	2.4	0.4	1.0	3.4	1.9	1.2	3.2	0.8	1.6	2.2	1.6	0.3	1.6	0.8	0.3	2.5	1.4	0.7	2.4	0.7	0.9
Feb	2.3	1.3	0.8	1.8	0.4	0.5	2.6	1.7	0.7	2.7	0.7	1.3	1.7	1.4	0.2	1.3	0.6	0.2	2.2	1.2	0.6	2.2	0.7	0.8
Mar	1.9	1.2	0.5	1.8	0.4	0.6	3.0	1.8	1.1	2.5	0.8	1.0	1.8	1.4	0.2	1.7	0.8	0.3	2.4	1.4	0.7	2.4	0.8	0.8
Apr	2.0	1.1	0.7	1.9	0.4	0.7	2.8	1.8	0.9	3.1	0.9	1.6	1.6	1.2	0.2	1.3	0.7	0.2	2.5	1.4	0.7	2.3	0.8	0.5
May	3.3	1.8	1.1	1.6	0.5	0.4	3.8	2.4	1.1	2.5	1.1	0.7	1.9	1.6	0.2	1.5	0.8	0.2	2.9	1.8	0.6	2.4	1.0	0.6
Jun	2.6	2.0	0.3	1.4	0.5	0.2	3.7	2.5	1.0	3.5	1.0	1.7	2.4	2.1	0.2	1.9	0.9	0.5	2.9	2.1	0.5	1.7	0.8	0.3
Jul	2.2	1.4	0.6	2.3	0.5	0.8	3.3	1.9	1.1	3.3	0.9	1.7	2.0	1.3	0.5	1.9	0.7	0.7	2.9	1.6	1.0	2.3	0.8	1.5
Aug	2.1	1.2	0.5	3.4	1.7	0.8	4.8	2.4	1.9	4.8	2.0	2.0	2.2	1.5	0.6	2.3	1.3	0.4	2.9	1.9	0.5	3.5	1.9	0.8

Year & Month	Transportation Equipment						Instruments & Related						Miscellaneous Manufacturing					
	Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	4.4	2.6		3.8	1.4	1.2	2.9	2.4		2.8	1.6	0.5	3.6	2.7		3.5	2.0	0.9
1974	4.2	2.2		4.2	1.1	2.0	2.9	2.4		2.8	1.4	0.7	3.8	2.6		4.8	1.8	2.3
1975	3.5	1.3		3.9	0.6	2.2	1.9	1.1		2.2	0.6	1.0	3.2	1.0		3.3	0.7	2.1
1976	3.2	1.1	1.6	3.5	0.5	2.0	2.1	1.4	0.5	1.8	0.7	0.6	2.6	1.5	0.9	2.7	0.8	1.2
1977	3.0	1.6	1.1	2.8	0.6	1.4	2.1	1.6	0.3	1.7	0.8	0.4	2.7	1.5	1.1	2.7	0.8	1.3
1978	3.0	1.5	1.0	2.5	0.7	1.0	2.0	1.6	0.2	1.7	0.9	0.3	2.9	1.9	0.9	2.9	1.0	1.2
Aug	3.7	2.1	1.1	3.1	1.1	0.9	1.7	1.5	0.1	2.3	1.5	0.2	2.5	1.6	0.8	3.4	1.3	0.6
Sep	3.8	2.1	1.3	2.6	1.0	0.8	2.4	1.9	0.3	2.5	1.3	0.7	3.9	2.9	0.7	3.9	1.6	0.8
Oct	3.3	1.8	1.1	2.1	0.7	0.4	2.4	2.0	0.3	1.4	0.9	0.2	4.3	3.6	0.6	2.9	1.4	1.0
Nov	2.5	1.2	0.7	1.7	0.5	0.5	1.6	1.2	0.3	1.3	0.7	0.1	1.8	1.2	0.5	4.0	1.1	2.5
Dec	1.6	0.8	0.3	2.0	0.3	1.0	1.1	0.9	0.1	1.2	0.6	0.1	1.7	0.6	1.0	5.5	0.8	4.1
1979																		
Jan	2.9	1.7	0.8	2.8	0.8	0.9	2.3	2.1	0.1	1.6	0.7	0.2	4.1	2.4	1.6	3.8	0.7	2.2
Feb	2.0	1.3	0.4	2.9	0.5	1.4	2.6	2.4	0.1	2.5	1.1	0.3	3.2	1.6	1.4	2.3	0.8	0.6
Mar	2.7	1.6	0.7	2.8	0.9	1.0	2.2	1.9	0.1	1.4	0.9	0.2	3.6	2.3	1.3	2.7	0.9	0.7
Apr	3.1	1.4	1.3	2.9	0.7	1.1	2.0	1.4	0.5	1.7	0.9	0.3	3.3	1.6	1.6	3.0	0.9	1.1
May	3.1	1.5	1.2	2.5	0.6	0.9	2.7	1.3	0.6	2.0	0.9	0.5	3.5	2.3	1.0	2.2	1.1	0.3
Jun	2.7	1.7	0.6	3.3	0.6	1.3	2.9	2.3	0.4	2.0	1.0	0.4	6.0	4.4	1.4	2.4	1.4	0.5
Jul	3.2	1.4	1.2	3.0	0.6	1.4	1.5	1.2	0.1	2.1	0.8	0.8	3.3	1.5	1.7	4.1	1.4	2.2
Aug	2.7	1.2	1.0	3.3	2.1	1.3	1.7	1.0	0.5	2.3	1.4	0.2	3.5	2.7	0.7	5.4	3.3	1.0

N = Negligible